XIII. INSECTA.

By D. Sharp.

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INTRODUCTION.

THE Record of Insecta is not quite so extensive as that of last year, the number of titles being 1549 against 1716 for 1903. We have numerous important works to record.

HENNEGUY'S general work, "Les Insectes," is up to date and on most points thoroughly reliable; it gives in a concise form the sort of information by the accumulation of which the progress of entomology is greatly affected; and is invaluable as a compendium of subjects that are often but little known to entomologists. A correction of an error in it as regards the question of coloration will be found in Bull. Soc. ent. France 1905, p. 146.

The subject of the Orders of Insects and their classification has been again discussed by HANDLIRSCH (657), HEYMONS (684); other papers on this point are given by BÖRNER (157) and KLAPÁLEK (815). Though there is a general consent that the Orders are more numerous than was formerly considered to be the case, the views of the authorities in other respects are very diverse.

SHIPLEY (1291) has proposed that the names of all Orders shall have an uniform termination, and if this result can be attained it will be very valuable. HANDLIRSCH has no less than twelve different terminations in the names of his 34 Orders. If Entomology is to be taught in schools of Zoology it is high time for the question of an uniform terminology for the complex taxonomy of Insecta to be discussed, and our thanks are due to Mr Shipley for his practical method of introducing the point.

DONCASTER (402) gives a preliminary paper on the parthenogenetic development of *Nematus*. Though the subject is of great interest, and will probably enlighten us as to the nature of the earliest processes of ontogeny, yet at present the information is too incomplete to warrant any conclusions.

MARCHAL (906) has given more fully the results of his work on germinogony—a term he wishes to replace that of embryonic dissociation. In this he is doubtless correct for the division takes place in the nuclei before the formation of a definite embryo. The work is of a most interesting and important nature.

Miss EMBLETON'S memoir (450) on the anatomy and development of a Chalcid parasite of a scale-insect makes us acquainted with parts of a life-history of a remarkable character. Her accounts of the oogenesis and respiratory changes are particularly interesting, though only fragmentary.

The question of the number of segments from which the head is developed is discussed by RILEY (1173), who concludes that "sclerites originate from mechanical causes and do not necessarily have any relation to the primary segmentation." He admits six segments for the head. The same number is favoured by HOLMGREN (699), but it must be admitted that this conclusion is still hypothetical rather than demonstrated.

HILZHEIMER (686) gives a dissertation on the morphology of the labium and on the anatomy of the hypopharynx in *Hymenoptera*. DICKEL (379) resumes the question as to the nature of entoderm, taking the egg of the bee as his object; and SCHWANGART studies the same question in *Lepidoptera* (1259). VOSS (1461) contributes the first part of a study of the thorax of *Gryllus*, dealing with the skeleton; subsequent parts are to include the development of the wings, a subject that, as he justly remarks, has been greatly neglected in the lower Insects.

VERHOEFF (1435) discusses the morphology of leg and of hypopharynx; and in a postscript announces that morphologists have hitherto been in error as to the maxillæ of Insects; the labium being really the anterior, not the posterior, of the pairs of maxillæ. The same author gives an anatomical study (1434) of *Embiidæ*, treating them as a suborder of *Isoptera*; and he also amplifies his views as to the structure of the thorax in *Hexapoda*. SCHAUDINN (1224) in his work on the life-history of a parasitic Protozoon, gives an account of the alimentary system and of the mode of feeding of *Culex pipiens*. He inclines to the opinion that the poisonous effect of its bite is due to the enzyme of a commensal fungus. VIGIER (1456) informs us that he has discovered an apparatus of accommodation in the eye of *Aeschna* for seeing at different distances.

RÖSSIG (1189) gives an interesting paper on the formation of galls of *Cynipidæ*, in the course of which he discusses the function of œnocytes. HOUARD (719) contributes an extensive paper on the structure of galls; although predominantly botanical it treats of the determinants and is of considerable importance.

Some works on development have already been mentioned, but there are numerous others. The study of cuticula and ecdysis is now being pursued, and we have from PLOTNIKOW (1089) a valuable paper connected with the histology of the subject. ANGLAS (32) makes an important suggestion as to the relation of tracheæ to metamorphosis. BAUER (93) enlarges on the extreme changes that take place post-embryonically in the central nervous system.

DEEGENER (358) discusses the changes that take place in the mesenteric region, showing that there is a special pupal epithelium, acting functionally for the digestion or partial digestion of the "yellow-body." POWELL (1104) gives information as to the formation of wings of *Coleoptera* etc.; maintaining that wings are outgrowths of the pleuron or tergum, or both; a conclusion which seems at present the only one consistent with all the evidence that has been obtained. KELLOGG has experimented on larvæ of *Lepidoptera* and confirms the previous observation of Oudemans that extirpation of the sex glands does not affect the development of the secondary sexual characters (781). In metamorphosis see also papers by DEWITZ (377, 378) on the physiology thereof, including coloration and chitinisation, in which he is inclined to extend the importance of enzyme action.

ASHMEAD has nearly or quite completed his classification of the *Hymenoptera* by a huge contribution (41) on the important group *Chalcidioidea*, which he considers includes 14 families. RAFFRAY has published a general work on the *Pselaphidæ* (1114), a family he has made of the first importance. It is a matter for regret that he has been obliged to defer the execution of a monograph for the present. DE MEIJERE'S paper on *Conopidæ* (933) makes a large addition to our previously meagre knowledge of the biology of this curious family of parasitic *Diptera*. BAKER (76) has given a catalogue of fleas complete to date, with information as to works and localities, and has revised the American forms.

Amongst the remarkable events of the year must be placed the discovery in France of a new genus of blind *Dytiscidæ* in a deep well fed by a subterranean spring, ABEILLE (3). This gives considerable support to the idea that Cave faunas have their origin in a hypogeal fauna of which we know little or nothing. An anomalous insect from the nest of a Termite has been described by BREDDIN & BÖRNER (173) and assigned to *Rhynchota* on somewhat unsatisfactory grounds.

Among faunistic work we find the largest contribution in MEYRICK'S Australian *Gelechiidæ* with 207 new species. He estimates the Australian Tineidæ at about 2,000 species—more probably an underestimate rather than the reverse. The publication in complete form of the results of the Harriman Alaska expedition is very welcome. The insects make two nice

volumes: MERRIAM (940). HUTTON'S list of the fauna of New Zealand is a work for which we owe our thanks to the author and his collaborators (726): the Insects occupy about 150 pp. JAMES & LISTON *Anopheles* of India is remarkable for the figures of mosquitoes it contains (760). The third part of E. E. GREEN'S beautiful work on the *Coccidæ* of Ceylon (620) is devoted entirely to the genus *Lecanium*. The fourth volume of GANGLBAUER'S valuable work on European Coleoptera includes a statement of his views as to the classification of this Order (580).

BRÈTHES (181) records some valuable experiments as to the habits of Aculeate *Hymenoptera*; they tend to support Fabre's views as to the skill displayed in stinging the prey. ADLERZ has given a short account of the habits of *Methoca ichneumonoides*, which appear to be of the most extraordinary and unexpected nature (16).

The fact that has given rise to much surprise of the use of larvae by ants for the formation of their nests has now been confirmed by its discovery on the other side of the world, the Messrs Göldi having observed that *Camponotus senex* constructs its nests in this fashion in S. America: FOREL (532). The information given by JACOBSON & WASSILJEW (741) adds to our knowledge of the habits of *Termitidæ*, the founding of a nest of *Hodotermes* having been witnessed and described by JACOBSON. Miss FIELDE & Miss PARKER have given an account (508) of a series of instructive experiments as to the sense of hearing in ants. Perhaps the most interesting of Miss Fielde's papers on ants is that on their power of recognition (506). Mr DWIGHT PIERCE has an interesting ethological article on hypermetamorphic beetles and their hosts, with special reference to the very curious *Myiodites* (1086). SCHWARZ (1260) tells us of a grass that catches insects in great quantities in Cuba. M. PERRAUD (1031, 1032) as the result of experiments is able to state the conditions that should be realised to attract *Lepidoptera* to light.

PACKARD (1006), whose decease will be generally regretted, gives an account of the origin of pattern from the Lamarckian stand-point, and accompanies it with a very sensible criticism of the fashionable theories of mimicry. KUSNEZOV has published an article (849) calling attention to the undeveloped state of the study of the markings of Lepidopterous larvae. ENTZ has a long discussion on mimicry, but unfortunately, as it is in Hungarian few of us can profit by it (466). PIEPERS, who discusses the "tails" of Lepidopterous wings, apparently considers them as relicts from wings of larger size.

In the economic department Prof. J. B. SMITH'S work (1315) on mosquito control is the most important production. DYÉ gives (444) a short and easily intelligible acount of the relations of *Culicidæ* and their disease-dealing parasites.

Those who are interested in the—perhaps too extensive—chamber of horrors of entomology must not miss the New Congo floor maggot, DUTTON, TODD & CHRISTY (418).

The Polymorphism of ants is discussed by FOREL (525) & EMERY (452); the former of whom expresses a little doubt as to its causation. KELLOGG & BELL contribute a study of variation in 24 species of various Orders, and a discussion of general conclusions (783).

The naming of varieties is at present carried to a great extent, and we have not space to record them all, but we endeavour to point out all that appear to be of real importance. It may perhaps not be superfluous to add that the study of variation is by no means dependent for advancement on the naming of varieties.

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2. ——. Description de deux nouveaux *Trechus* (*Anophthalmus*) de France. Bull. Soc. ent. France 1904, p. 198. [*Coleoptera.*]

3. ——. Description d'un *Coléoptère* hypogé français. T. c. pp. 226–228.

4. ——. Description de deux *Bathyscia* inédites des Basses-Pyrénées. T. c. pp. 242, 243. [*Coleoptera.*]

5. ——. Diagnoses de trois *Coléoptères* français nouveaux. T. c. pp. 280–282.

6. Absolon, P. C. K. Descriptio systematica faunae subterraneae moravicae adhuc cognitae. Vestnik. Klub. Prostejove ii, 1900, pp. 60–68. [*Collembola.*]
Entirely in Moravian except the above translation of title.

7. ——. Studie o jeskynních šupinuškách. Op. cit. iii, 1901, pp. 83–117. [*Collembola.*]
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8. Adams, C. F. Notes on and descriptions of North American *Diptera.* Kansas Univ. Sci. Bull. ii, No. 14, pp. 431–455.

9. ——. On the North American species of *Siphonella.* Psyche xi, pp. 103, 104. [*Diptera.*]

10. ——. Descriptions of new *Oscinidæ.* Ent. News Philad. xv, pp. 303, 304. [*Diptera.*]

11. Adelung, N. Eine neue *Ectobia*, *E. duskei* n. sp. (*Orthoptera Blattodea*) vom Bogdo, sowie einige Bemerkungen über russische Varietäten der *E. perspicillaris* Herbst (*livida* Fabr.). Horæ Soc. ent. Ross. xxxvii, pp. 127–137.

12. ——. Blattodées (*Orthoptera*) rapportées par Mr le capitaine G. W. Kachovski de l'Abyssinie méridionale et des contrées limitrophes en 1898. Annuaire Mus. St. Petersb. viii, pp. 300–337, pl. xx.

13. Adlerz, G. *Ceropales maculata* Fab. en parasitisk Pompilid. Bih. Svenska Ak. xxviii, Afd. iv, No. 14, 20 pp. [*Hymenoptera.*]
Omitted in 1902.

14. ——. Utvecklingen af ett *Polistes*-samhälle. Ent. Tidskr. xxv, pp. 97–106. [*Hymenoptera.*]

15. ——. Om cellbyggnad och tjufbin hos *Trachusa serratulæ* Panz. T. c. pp. 121–129. [*Hymenoptera.*]

16. ——. La proie de *Methoca ichneumonides* Latr. Arkiv Zool. i, pp. 255–258. [*Hymenoptera.*]

17. Agnus, A. N, Un nouvel insecte fossile du Carbonifère de Commentry. Naturaliste 1904, p. 29. [*Blattidæ.*]

18. Agren, H. Lappländische *Collembola.* Arkiv Zool. ii, No. 1, 30 pp., 2 plates.

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* An asterisk prefixed to a quotation indicates that the Recorder has not seen the Journal or Work referred to.

19. AIGNER-ABAFI, L. v. Wanderzüge des Distelfalters. Allg. Zeitschr. Ent. ix, pp. 6–9. [*Lepidoptera.*]

20. AITKEN, E. H. The enemies of butterflies. J. Bombay Soc. xvi, p. 156. [*Lepidoptera.*]

21. ALDRICH, J. M. The genus *Psilopus* of authors. Canad. Ent. xxxvi, pp. 246, 247. [*Diptera.*]

22. ALFKEN, J. D. Beitrag zur Insectenfauna der Hawaiischen und Neuseelandischen Inseln. (Ergebnisse einer Reise nach dem Pacific. Schauinsland 1896–97.) Zool. Jahrb. Syst. xix, pp. 561–628, pl. xxxii.
Abstract by VON LINDEN, Zool. Zentrlbl. 1904, p. 211.

23. ——. Neue palearktische *Prosopis*-Arten und -Varietäten. Zeitschr. Hym. Dipt. iv, pp. 322–327. [*Hymenoptera.*]

24. ——. *Andrena frey-gessneri*, eine neue alpine Andrena-Art aus der Schweiz. Soc. ent. xix, p. 81. [*Hymenoptera.*]

25. ALPHÉRAKY, S. Quelques observations critiques sur le Catalogue des *Lépidoptères* de MM. Staudinger et Rebel, 1901. Rev. Russe Ent. iv, pp. 1–10.
In Russian.

26. ANDERSON, E. M. Catalogue of British Columbia *Lepidoptera*. Victoria, 8vo, 56 pp.
Issued by provincial Museum, Victoria.

27. [ANDRÉ, E. Species des Hyménoptères d'Europe et d'Algerie. Fascc. 85–89. See KIEFFER & MARSHALL (799) and KIEFFER (791).]

28. ——. Voyage de feu Leonardo Fea dans l'Afrique occidentale. *Mutillidæ*. Ann. Mus. Genova xli, pp. 221–252. [*Hymenoptera.*]

29. ——. Notice sur quelques *Mutillides* et *Thynnides* du Chili. Zeitschr. Hym. Dipt. iv, pp. 284–288, 305–319. [*Hymenoptera.*]

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——. [See also DE SAUSSURE, ANDRÉ & BUYSSON (1218).]

32. ANGLAS, J. Rapports du développement de l'appareil trachéen et les metamorphoses des Insectes. C.R. Ac. Sci. cxxxviii, pp. 300, 301.
Translation, Ann. Nat. Hist. xiii, pp. 403, 404.

33. ——. De l'origine des cellules de remplacement de l'intestin chez les *Hyménoptères*. C.R. Soc. Biol. lvi, pp. 173, 174.

34. ——. Du rôle des trachées dans la métamorphose des Insectes. T. c. pp. 175, 176.

35. ANNANDALE, N. Contributions to the terrestrial zoology of the Faroes. Part I. P. Phys. Soc. Edinb. 1902–4, pp. 153–160.
Mollusca and *Arthropoda*. *Aptera* by G. H. CARPENTER. *Coccidæ* by R. NEWSTEAD.

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Published in connection with Butl. Inst. Catalan. The parts at present published are *Chrysidida*, *Sphegidæ*, *Scoliidæ* and *Mutillidæ*, *Vespidæ*: each with separate pagination.

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39. ——. On the Coleopterous group "*Heptaphyllini*" of de Borre. Ann. Nat. Hist. xiv, pp. 30–33.

——. [See also Bates (92).]

40. Ashmead, W. H. Classification of the fossorial, predaceous and parasitic wasps, or the superfamily *Vespoidea.* Paper No. 18 cont. Canad. Ent. xxxvi, pp. 5–9. [*Hymenoptera.*]

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44. ——. A new genus and some new species of *Hymenoptera* from the Philippine islands. T. c. pp. 281–285.

45. ——. A *Hymenopterous* parasite of the Grape-berry moth, *Eudemis bortana* Schif. T. c. p. 333.
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46. ——. Descriptions of new *Hymenoptera* from Japan. i. J. N. York Ent. Soc. xii, pp. 65–83, pl. vii. ii. T. c. pp. 146–165, pl. viii.

47. ——. Descriptions of new genera and species of *Hymenoptera* from the Philippine Islands. P. U. S. Mus. xxviii, No. 1387, pp. 127–158.

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53. ——. On the discovery of fig-insects in the Philippines. T. c. p. 342. [*Hymenoptera.*]

54. ——. The *Homoptera* of Alaska. [in] Alaska viii, pp. 127–137.

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56. Auel, H. Messungen an *Lepidopteren.* Allg. Zeitschr. Ent. ix, pp. 452, 453.

57. Aurivillius, C. Neue oder wenig bekannte *Coleoptera Longicornia.* Arkiv Zool. i, pp. 313—328.

58. [AURIVILLIUS, C.] *Cerambyciden* aus Bolivien und Argentina gesammelt von Freiherrn Erland Nordenskiöld. Ent. Tidskr. xxv, pp. 205–208. [*Coleoptera.*]

59. ——. Svensk insektfauna. 13. Steklar. *Hymenoptera, Sphegidæ.* T. c. pp. 241–300.

60. ——. Beiträge zur Kenntnis der Insektenfauna von Kamerun. No. 11. *Lepidoptera, Heterocera* ii. Arkiv Zool. ii, No. 4, pp. 68, 1 pl.

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II. BIOLOGY.

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Epicauta adspersa, injurious to *Solenaceæ* etc., BRÈTHES (182).
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Blennocampa geniculata, injuring strawberries, Sweden, TULLGREN (1407).
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Solenopsis geminata, injuring oranges in Porto Rico, BARRETT (89).
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Codling moth, WOODWORTH (1537).
Asparagus-fly, *Platyparea pœciloptera*, LESNE (879).
Pentatoma sayi, injuring grain, GILLETTE (605).
Aphis persicæ, treatment and parasites, Australia, FROGGATT (562).
Phylloxera in Europe, at present, BLUNNO (138).
Phylloxera winter egg destroyed by lysol, CANTIN (242).

Phylloxera on *Hicoria*, PERGANDE (1023).
Chrysomphalus minor in Europe, MARCHAL (913).
Coccid destroying a noxious grass, FROGGATT (560).
Termites injuries and mode of destruction in Turkestan, JACOBSON (741).
Psocid injurious in Germany, ENDERLEIN (454).
Trichoptera injurious to bridge-timbers, SILFVENIUS (1295).
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Floor-maggot attacking man in Africa, DUTTON etc. (419).
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Larva affecting man and dogs in French Guinea, LE DANTEC & BOYÉ (869).
Parasites of rats and mice as conveyors of bubonic plague, TIRABOSCHI (1387, 1388).
Bengalia depressa, in Africa, attacks on man and dogs, TOWNSEND (1393).
Insects attacking man, *Gastrophilus epilepsalis*, FRENCH, p. 83, Canad. Ent. xxxvi.
Hypoderma bovis attacking man in Sicily, CONDORELLI (305).
Dermatobia, attacks on man and animals in Costa Rica, WARD (1472, 1473).
Larva of *Homalomyia* in the human stomach, FLORENTIN (520).
Larvæ in the Nares, MARTINEZ (920).
Transmission of sleeping sickness, BRUMPT & BLANCHARD (192a).
Glossina and disease, BRUMPT (191).
Mosquito control, SMITH (1315, 1318), BRITTON (183).
Destruction of mosquitoes by petroleum, Prince D'ARENBERG (37).
Mosquitoes and disease, GOELDI (615).
Mosquitoes and yellow fever, HOWARD (721a).
Mosquitoes and malaria, GILES (601, 692).
Malaria and mosquitoes in India, and their control, JAMES (758, 759).
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Malaria and mosquitoes in Madagascar, NEIRET (979).
Control of mosquitoes at Bathurst, Gambia, DUTTON (418).
Malaria and mosquitoes in Victoria, LEACH (865).
Culicidæ and their parasites, DYÉ (444).

FAUNISTIC: GEOGRAPHICAL DISTRIBUTION.

N.B.—The numbers in brackets refer to "Titles"; by their means it is intended to give a reference to every memoir containing a notice affecting the entomological fauna of each of the twelve regions here adopted. But synonymical notes and changes of systematic position are not included in these references. In addition to giving references to titles of works that actually add to the faunistic record of a region, there are also comprised references to a large number of works on local faunæ, or "stations." In such cases the reference is, as a rule, made direct to the original work, not to our title-numbers, many of these local faunistic notes not being included at all in our list of titles.

In this Faunistic division varieties are not included: neither is a new genus (unless it is also a n. sp.), nor synonymy. When no subordinate locality is mentioned in connection with a memoir, it is to be understood that it refers to several divisions of the region indicated by the immediate subheading.

General.

Climate and distribution, Walker (1464).
Distribution of some *Diaspini*, *Coccidæ*, Reh (1127).
Ancient geography and modern distribution, *Cicindela*, Wickham (1526).
Summaries of numerous recent faunistic works, Speiser (1333).
N. spp. without locality: see *Hymenoptera*, *Hyptia* & *Gasteruption*, *Pristaulacus*. *Colobathristes facetus* cf. *Hemiptera Lygæidæ*.
Diplatys æthiops, see *Orthoptera Forficulidæ*.

1. Arctic and Antarctic.

Fauvel (485); New South Georgia, n. g. *Staphylinidæ*.
Crozet Ids. See Insular.

2. Insular (including New Zealand).

Madeira: *Coleoptera*, Desbrochers (361), *Laparocerus* sp. n. Petri (1137), *Lixus* n. sp. *Hymenoptera*, *Formicidæ*, Forel (531). *Diptera*, *Psychodidæ* n. sp., Eaton (445).
Canary Ids.: *Hymenoptera*, *Aculeata*, Saunders (1215), 8 spp. n. Berthoumieu (112), *Ichneumonidæ*, 2 spp. n. *Diptera*, Becker (95), *Peletophila* sp. n. *Hemiptera*, Reuter (1169), *Capsidæ*, 4 spp. n.
Galápagos: *Lepidoptera Perixera* sp. n., Warren (1476).
Hawaiian Ids.: *Collembola*, Carpenter (243). *Thysanura*, Silvestri (1297). *Mallophaga*, Kellogg & Chapman (784). *Macrolepidoptera*, Meyrick (947, 948). *Hemiptera*, Kirkaldy (809), 6 spp. n. *Coccidæ*, Kirkaldy (810).—See also New Zealand, Alfken.
"Oceania": *Hesperiidæ*, *Corone* n. sp., Mabille (898).
Solomon Ids.: *Coleoptera*, Jacoby (749), *Mouhotina* & *Luperodes* n. sp. *Lepidoptera*, Jordan (771), *Caprimima*, sp. n. *Rhopalocera* n. spp., Rothschild (1197). *Metallochlora* n. sp., *Xanthomima* n. sp., Warren (1476). *Phasmidæ*, Kirby (805), *Necroscia*, sp. n.
Rossel Ids.: *Phasmidæ*, Kirby (805), *Eurycantha*, sp. n.
New Pomerania: *Coleoptera*, Weise (1504), *Hispidæ*, sp. n.
New Britain: *Coleoptera*, *Hispidæ* n. g., Sharp (1285). *Phasmidæ*, Kirby (805), *Eurycantha*, sp. n.
Bismarck Archipelago: *Psocidæ* n. g., Enderlein (455).
New Hebrides: *Coleoptera*, *Theca* n. sp., *Hyocis* n. sp., Fauvel (486).
Tonga Ids.: *Hippoboscidæ* n. sp., Speiser (1331).
Fiji Ids.: *Hemiptera*, Horváth (714), *Colobathristinæ* n. sp.
Fiji & Samoa: *Lep. Rhop.*, Waterhouse (1492).

Marschall Ids., Insecta. *Chrysopa* 1 sp. n., SCHNEE (1232). KEMPNY (785), *Chrysopa* sp. n.

Thursday Ids.: *Phasmidæ*, KIRBY (805), *Eurycantha*, sp. n.

Shortland Ids.: *Lepidoptera*, SWINHOE (1364), *Tagiades* n. sp.

New Caledonia: *Coleoptera*, *Buprestidæ*, *Tenebrionidæ* n. spp., FAUVEL (486). RAFFRAY (1114), *Pselaphidæ*, general work.

New Zealand & Hawaiian islands, *Insecta*, ALFKEN (22).

New Zealand: *Insecta*, HUTTON (726). New Zealand, Account of a year's collecting, WALKER (1467).

Coleoptera, BROUN (184), 41 spp. n., genn. n. Bounty Is., BROUN (185), *Hydrophilidæ* n. g. RAFFRAY (1114) *Pselaphidæ* general work, *Eupines* n. sp. *Hymenoptera*, COCKERELL (282) *Leioproctus*, 2 spp. n. *Lepidoptera*, PHILPOTT (1047) Southern *Lep.* *Diptera*, HUTTON (727), *Phorocera*, 7 n. spp.—id. *Limnia*, 2 spp. n. (728).—id. (730) Campbell Is., *Calliphora* n. sp. *Neuroptera*, HUDSON (723), popular work. *Orthoptera*, REHN (1128), *Ectobia*, sp. n. Chatham Is.: HUTTON (729), *Pleioplectron*, sp. n.

Falkland Ids.: *Insecta*, VALLENTIN, few species, Mem. Manchester Soc. xlviii, No. 23, pp. 20–22.

Kerguelen Ids., ENDERLEIN (462), n. g. *Anoplura*.

Crozet Ids.: *Coleoptera*, ENDERLEIN (460), *Curculionidæ*, 3 spp. n., n. g. *Hemiptera*, ENDERLEIN (461) n. g. *Henicocephalidæ*.

3. PALÆARCTIC REGION.

(a.) Collective: i.e. papers referring to more than one of the following sub-divisions, *c—h*.

China, with the exception of Mongolia, is included in "Asia."

Coleoptera. ABEILLE (1), Mediterranean and Persia, *Buprest*, spp. n. BERNHAUER (107), *Aleocharini*, part 2, n. spp. DU BUYSSON (214), Basses Pyrénées and Amurland, *Elateridæ*, 4 spp. n. DU BUYSSON (215), Bagdad, Spain, *Athous* n. sp. DANIEL (343), *Crepidodera*, revision, 2 spp. n. DANIEL & DANIEL (349), 10 spp. n., *Carabidæ*, *Elateridæ*, *Curculionidæ*, *Bruchidæ*, *Chrysomelidæ*. DESBROCHERS (361), *Curculionidæ*, 18 spp. n. DESBROCHERS (362), revision of *Lixus*, 5 spp. n. DESBROCHERS (363, 365), Caucasus and N. Persia, *Eusomus*, 4 spp. n. DESBROCHERS (364), incl. Arabia, *Curculionidæ*, 5 spp. n. ESCALERA (467), Spain and Syria, *Acmæodera*, 2 spp. n. FAUST (481), incl. Persia, Arabia, Mongolia, *Cleonides*, many spp. n. FAUVEL (483), Sinai and Red Sea, *Staphylinidæ*, 6 spp. n. FLEISCHER (514), *Scaritides*, tables, n. spp. FORMÁNEK (534), Astrabad, Syria, Basses Alpes, *Barypithes*, *Omias*, spp. n. GANGLBAUER (582), Croatia, Slavonia, Servia, *Anophthalmus*, *Hydroporus*, *Riolus* n. sp. JACOBSON (740), Mantchuria list, *Anomala* n. sp. JAKOVLEFF (752), Mediterranean and West Asia incl. Buchara, Persia, *Sphenoptera*, 8 spp. n. KLIMA (820), *Trogophlœus*, revision, 3 spp. n., Amurland, Corfu and Turkestan. PETRI (1035), *Lixus* n. spp. PETRI (1036), Siberia, Alexander Mts., *Lixus* n. sp. PIC (1063), Amurland, *Cerambycidæ*, spp. n., Spain, *Dorcadion* sp. n. PIC (1065), Siberia, Tokat, 9 spp. n. PIC (1068), 6 spp. n. PIC (1071), Mediterranean, Bagdad, Amurland, *Bryaxis*, *Malacod.*, *Curcul.* spp. n. PIC (1072), Spain *Dorcadion*, France *Crepidodera*, Taurus *Chrysanthia* and *Titubœa* n. sp. PIC (1077), 22 spp. n. POPPIUS (1094), N. Russia, E. Siberia, Mongolia, *Mycetoporus*, *Choleva*, *Epuræa*, *Simploxaria*, *Anatolica*, *Scythis* sp. n. RAFFRAY (1114), *Pselaphidæ* general work. REITTER (1143), notes on localities etc. REITTER (1144), Pal. including Mongolia, *Saprinus*, 7 spp. n. REITTER (1148),

Cionus n. spp. REITTER (1149), Asia Minor, *Eurostus* sp. n., Galicia *Aphthona* sp. n. REITTER (1152), 15 spp. n. REITTER (1155), Algeria, *Ammœcius*, Persia, *Lethrus*, *Prosodes*, Afghanistan and Gobi, *Acinæodera*, spp. n. SCHILSKY (1227), incl. Buchara, *Urodon*, 3 spp. n. SEMENOV (1272), Mongolia and Tibet, *Elaphrus*, 2 spp. n. SEMENOV (1273), localities of various species. SOLARI (1326), E. Europe and Tangier *Curculionidæ*, 8 spp. n. WAGNER (1462), Austria, Corfu, *Apion*, 3 spp. n.

Lepidoptera. ALFKEN (23), *Prosopis*, 3 spp. n. BERTHOUMIEU (110), *Ichneumonidæ*, 11 spp. n. KOKUJEV (827), Corea, *Exetastes*, 2 spp. n., W. China, *Ichneumonidæ* spp. n., *Braconidæ*, 4 spp. n. KOKUJEV (828), Ural and Transcaucasus, *Ichneumonidæ*, 2 spp. n. KONOW (836), N. & Central Europe, *Lygæonematus* revision, 9 spp. n. KONOW (837), Pal. incl. Saghalin Id. *Sessiliventres*, 15 spp. n. KONOW (834), *Pachynematus* n. spp. KONOW (835), Europe and East Siberia, *Pteronus*, 3 spp. n. MORICE (957), *Colletes*, 6 spp. n. SCHMIEDEKNECHT (1231), Oran, Switzerland, *Ichneumonidæ*, 3 spp. n. Localities for Palæarctic *Sphegidæ*, SCHULZ (1254).

Lepidoptera. BARTEL (91), Palestine, *Noctuidæ*, 2 spp. n. DIETZE (380), *Eupithecia*, 16 n. spp. FUCHS (572), Sarepta, *Cucullia* n. sp.; Bornich, *Eriocrania* n. sp. HERZ (680), Korea, *Noctuidæ*, *Geometridæ*, 320 spp., 18 spp. n. PÜNGELER (1110), *Noctuidæ Geometridæ*, 14 spp. n. ISCHETVERIKOV (1400), Mongolia, *Dasychira* sp. n., *Noctuidæ*, 3 spp. n. TUTT (1413), *Sphingidæ* Catalogue. JOANNIS, *Microlepidoptera* 5 novelties, Bull. Soc. ent. France 1904, p. 173.

Diptera. BECKER (96), *Lispa* monograph, 9 spp. n. SPEISER (1330), Europe, Sinai, Smyrna, *Hippoboscidæ*, 2 spp. n.

Hemiptera. JAKOVLEFF (754), Siberia, Corea, Turkestan, Mongolia, *Heteroptera*, 7 spp. n. JAKOVLEFF (755), Mantchuria, Central Asia, Transcaucasus, *Acanthosoma* sp. n., *Coriomeris*, 2 spp. n. MELICHAR (938), *Membracidæ* and *Cercopidæ*. REUTER (1162), Siberia and Transcaspian, *Stenodema*, 2 spp. n. REUTER (1169), Germany, Mongolia, Crete, Central Asia, *Capsidæ*, 11 spp. n. MELICHAR (939), *Cicadidæ*.

Trichoptera. MORTON (963), *Hydroptilidæ*, numerous localities; Cintra sp. n., Britain sp. n.

(b.) *Europe*, collectively.

Coleoptera. GANGLBAUER (580), Central Europe, general work, n. g., n. spp.

Hpmenoptera. MAYR (928), Germany and S. Europe, *Chalcididæ*, *Proctotrypidæ*, spp. n., *Ormyrus* revision.

Lepidoptera. RIESEN makes some corrections to his lists of *Macrolepidoptera* published in Stettin Ent. Zeit. from 1887 to 1901; Ent. Zeit. Stettin. lxv, pp. 212–214.

Diptera. CZERNY (339), *Helomyza*, 3 spp. n.

(c.) *British Islands.*

THE FAUNA AS A WHOLE.

Insecta. Eddystone lighthouse, CLARKE (279). Disappearance, South-eastern Counties, WEBB, MCDAKIN & GRAY (1496). Fire at Wicken fen, VERRALL, p. 112, Ent. Mag. xl.

Coleoptera. *Catops sericatus*, novelty, CHAMPION, p. 78, Ent. Mag. xl. *Agathidium bodium*, novelty, CHASTER (261). *Calodera nigrata*, novelty,

NEWBERY, p. 251, Ent. Mag. xl. *Aulonium sulcatum*, novelty, POOL (1902).

Rhynchites sericeus withdrawn, CHAMPION, p. 79, Ent. Mag. xl.

Introduced Longicorns, BAGNALL, p. 262, Ent. Rec. xvi. Introduction of *Ptinus tectus*, HUDSON-BEARE, p. 4, Ent. Mag. xl. Doubtful or very rare British *Coleoptera*, NEWBERY, pp. 204, 205, Ent. Rec. xvi: HUDSON-BEARE, t. c. pp. 289–291. Doubtful species in the Power collection, NEWBERY, pp. 133, 134, Ent. Mag. xl. *Morimus funereus* in the Docks, ANSORGE, p. 117, Entomologist 1904. *Leptidea brevipennis* as British, WOOD & HOLLAND, Ent. Mag. xl. p. 60. Retrospect of a Coleopterist for 1903, HUDSON-BEARE, Ent. Rec. xvi, pp. 29–31. Ten years captures of new British beetles, DONISTHORPE, pp. 135–143, Tr. Leicester Soc. viii. British nomenclature of *Phytophaga* compared with Bedel, NEWBERY, pp. 80–83, Ent. Rec. xvi. Catalogue of British *Coleoptera*, BEARE & DONISTHORPE (94).

Hymenoptera. MORICE continues his notes of the characters of British *Tenthredinidæ*, Ent. Mag. xl, pp. 33 etc.

Crabro styrius and *Halictus semipunctulatus*, novelties, SAUNDERS, Ent. Mag. xl, p. 10. *Halictus freygessneri*, novelty, SAUNDERS (1217). *Rhadinoceræa micans*, novelty, MORICE, p. 100, Ent. Mag, xl.

Lepidoptera. *Ceramidia butleri* at Marlborough, MEYRICK, p. 253, Ent. Mag. xl. *P. podalirius*, BRANDE, p. 264, Entomologist 1904, and MEYRICK, t. c. p. 284. TUTT, vol. IV of British *Lepidoptera*, *Sphingidæ* (1413). Curtis coll. at Sydney, nomenclature, WALKER (1468). *Deilephila livornica* in England 1904, Entomologist 1904, pp. 188, 189. *Deilephila livornica* in England, COSTE, Nature lxx, pp. 389 & 506, THOMAS, t. c. p. 455; in Ireland, MEEHAN, p. 628, t. c.

Colias hyale in England 1900, PILLEY, Tr. Woolhope Club 1900–1902, pp. 171–173. *V. cardui* swarm at Hunstanton, BARRETT, Ent. Mag. xl, p. 61.

Diptera. *Dilophus ternatus*, *Chyliza vittata*, *Tanypeza longimana*, novelties, BLOOMFIELD, Ent. Mag. xl, p. 60. *Corethra obscuripes*, novelty, COLLIN, p. xxxiii, P. ent. Soc. London 1904. *Psychodidæ*, 2 spp. n., EATON (445). *Hydrotæa pilipes*, novelty, GRIMSHAW (632). *Oncomyia sundewalli*, novelty, GRIMSHAW (633). *Asteia elegantula*, novelty, JENKINSON, p. 4, Ent. Mag. xl. *Periscelis annulata*, *Ochthera mantispa*, novelties, LAMB, p. 277, Ent. Mag. xl. *Callicera yerburyi* n. sp., VERRALL, Ent. Mag. xl, p. 229. *Neoitamus cothurnatus*, *Anthrax circumdata*, novelties, VERRALL, p. xxxiii, t. c. *Dolichopodididæ*, catalogue, novelties, VERRALL (1438).

Catalogue of *Cecidomyiidæ*, COLLIN (298). The British *Diptera brachycera*, VERRALL, pp. xxviii–xxxii, P. ent. Soc. London 1904. *Oxycera dives*, confirmed, Perth, CARTER, p. 16, Ent. Mag. xl. Retrospect of a Dipterist for 1903, COLLIN, pp. 57, 58, Ent. Rec. xvi. *Trypetidæ*, some rare, DALE, pp. 212, 213, Ent. Mag. xl, and cf. VERRALL, t. c. p. 238. Notes on desiderata, VERRALL, pp. 165, 166, Entomologist 1904.

Hemiptera. *Drymus confusus*, *Salda setulosa*, novelties, BUTLER, p. 275, Ent. Mag. xl.

Trichoptera. *Oxyethira* n. sp., Rannoch, MORTON (963).

Odonata. Notable captures and novelty 1902, 1903, LUCAS (890).

Orthoptera. The British *Stenobothrus*, BURR, pp. 273–275, Ent Rec. xvi.

Collembola. CARPENTER & EVANS (245); novelties, n. sp. *Xenylla brevicauda*, novelty, CARPENTER, p. 198, pl. xa, Irish Natural. 1904.

LOCAL LISTS.

The arrangement adopted in each Order is roughly, Channel Islands, England from South to North and from West to East, Wales, Scotland, Ireland.

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WAGNER, Verh. Ges. Wien liv, p. 1, Pola, *Gnophos tibiaria*. TROST (1395), Styria, *Macrolepidoptera*, list completed. AIGNER, Hungary, Rov. Lapok xi, pp. 191–193, on recent additions. FLECK, Die *Macrolepidopteren* Rumäniens, Nachtrag ii, Bull. Soc. Bucarest xiii, pp. 288–308. HORMUZAKI (706), Bukowina, Supplement to Catalogue. BLOECKER, St. Petersburg, *Pyrrhia exprimens*, Rev. Russe Ent. iv, p. 225. SLEVOGT, Bathen, *Noctuidæ*, Soc. ent. xix, p. 124. HOYNINGEN-HUENE (722), Perm, Catalogue. KUSNEZOW (851), Pleskau, *Macrolep.* suppl. to Cat. KRULIKOVSKY, Ourjoum, Volga, captures, Rev. Russe Ent. iv, pp. 27–31.

Diptera. GUILLAUME (646), Belgium, *Trypetidæ*, catalogue. Roemond, list, DE MEIJERE, pp. 114–116, Ent. Ber. Nederl. i. BECKER (95), Lioland, *Peletophila* sp. n. SPEISER, Prussia supplement to Czwalina's Catalogue, Allg. Zeitschr. Ent. ix, pp. 265–268. OLDENBERG (993), Piedmont and Germany, *Saucropus*, 2 spp. n. CZERNY (338), Kremsmünster n. g. *Octhiphilini*. BEZZI (124), Austria-Hungary, *Empidæ*, 4 spp. n. SPEISER (1328), Hungary, *Ornitheza* n. sp. KERTÉSZ (790), *Culicidæ* of Hungary. FLECK (512), Roumania.

Homoptera. HUEBER (724), Germany, Cat. of *Homoptera* (except *Aphidæ* and *Coccidæ*).

Aphidæ. SCHOUTEDEN, Belgium, n. g., 2 spp. n. [(1345) of last year; reference then omitted].

Neuroptera. Middelaar, Limburg, *Neuroptera* s.l.; VAN DER WEELE, pp. 136–139, Ent. Ber. Nederl. i.

Trichoptera. ULMER (1420), Elbe, *Trichoptera*. ULMER, Zur *Trichopteren*fauna von Thüringen, Allg. Zeitschr. Ent. ix, pp. 182–185. THIENEMANN (1383), Tyrol, 49 spp.

Orthoptera. BAER, W., Zur *Orthopteren*fauna der preussischen Oberlausitz, Abh. Ges. Gorlitz xxiv, pp. 123–127. ADELUNG (11), Charkov, *Ectobia* sp. n.

Collembola. ABSOLON (6), Moravian caverns, 2 n. spp.

(f.) *France* [see also (a.), (b.) and (g.)].

Coleoptera. The Fauna as a whole, ABEILLE (2), Ariège, *Anophthalmus* n. sp. ABEILLE (3), var., n. g. *Dytiscidæ*. ABEILLE (4), Basses Pyrénées, *Bathyscia*, 2 spp. n. ABEILLE (5), *Metallites*, *Pachybrachis* and *Coroebus* sp. n. BEDEL (97), *Degorsia* introduced. CHOBAUT (271), Nimes, *Bathyscia* n. sp. CHOBAUT (268), Ariège, *Anophthalmus* n. sp. CHOBAUT (269), Alpes maritimes, *Rhipidius* sp. n. DESBROCHERS (366), France and Corsica, *Lebiides*. DEVILLE (375), novelties and corrections. DODERO (396), Montpellier, *Mirus* sp. n. MAYET (925), Nimes, *Aphodius* sp. n. MAYET (926), Gard, *Diaprysius* sp. n. PEYERIMHOFF (1041), Ardèche, *Diaprysius* sp. n. PEYERIMHOFF (1042), Basses-Alpes, *Anophthalmus*, 2 spp. n., *Bythinus* n. sp. PIC (1060), *Ernobius* sp. n. PUEL (1109), Gard, *Anisodactylus* sp. n. REITTER (1146), Alpes maritimes, *Alexia* n. sp. REITTER (1151), Plantey, *Loricaster* sp. n. ABEILLE, Miscell. ent. xii, p. 100, East Pyrenees, *Ptenidium* n. sp.

Coleoptera. Local lists. North France, COLIN, pp. 112–114, Bull. Soc. Nord France xvi.

HOULBERT & BÉTIS (721), W. France, *Cleridæ*. DEVILLE, Haute Marne, *Dytiscidæ Hydrophilidæ*, Bull. Soc. ent. France 1904, pp. 160–162. DEVILLE, Haute-Marne, Echange xx, pp. 47 etc. BEDEL, Ferté-Alais (Seine-et-Oise), list, Bull. Soc. ent. France 1904, pp. 210–212. ESTIOT, Draveil, *Tetropium fuscum*, *Anoxia* etc., Bull. Soc. ent. France 1904, p. 197. COULON, French *Col.* in Mus. d'Elbeuf, Bull. Soc. Elbeuf xxii, suppl. CARRET, Souvenirs entomologiques, Mont-Cenis Haute-Maurienne,

Echange xx, pp. 45 etc. Touraine. MÉQUIGNON, *Coléoptères* de Touraine: Contributions à la faune du département d'Indre-et-Loire, Abeille xxx, pp. 229–234. DESBROCHERS, Tours, flood-refuse, Frelon xii, pp. 109–118. FAUCONNET & VITURAT (480), Saône-et-Loire, *Staphylinidæ*, *Pselaphidæ*, *Scydmænidæ*. Saône-et-Loire, PIC, Bull. Soc. Autun xv, pp. 251–254: also MARCHAL, t. c. pp. 263–265, PIC, op. cit. xvi, pp. 187–192. PIC, *Coléoptères* recueillis en Saône-et-Loire sur deux vieux châtaigniers, Bull. Soc. Autun xvi, pp. 165–172. Chartreuse, *Aphodius liguricus*, AGNUS, p. 31, Feuille Natural. xxxv. Bordeaux, LAMBERTIE, Pr.-verb. Soc. Linn. Bordeaux, pp. cxix–cxxii. PÉREZ, Bordeaux, Pr.-verb. Soc. Linn. Bordeaux lix, p. xlix. GAVOY, Catalogue *Col.* de l'Aude, 5ième part. *Curculionidæ*, Bull. Soc. Aude xiii, pp. 223–272; 6ième part. *Cerambycidæ—Coccinellidæ*, op. cit. xv, pp. 167–207. CHOBAUT, S. France, on *Genista*, Bull. Soc. Nimes xxxi, pp. 92–99. XAMBEU, Pyrénées orientales, Catalogue, continuation, pp. 19–66, suppl. to Echange 1904.

Hymenoptera. GIARD (599), Argenteuil, *Dacnusa* sp. n. GADEAU DE KERVILLE (578), Normandy. KIEFFER (793), S. France, *Evania* sp. n. ZAVATTARI (1547), French Pyrenees, general list. Supplément au catalogue des Mellifères du Sud-ouest, PEREZ, Act. Soc. Bordeaux, pp. 5–7. DUCHASSEINT, Auvergne, *Parnopes carnea*, Feuille Natural. xxxiv, p. 267.

Lepidoptera. ANDRÉ, Saône-et-Loire, *Rhopalocera* (31). CHRÉTIEN (276), Basses Alpes, *Anacampsis*, *Coleophora* and *Nepticula* sp. n. PETRY (1040), Pyrenees, *Gelechiidæ*, 2 spp. n. VIARD, *Microlepidoptera*, novelties, Bull. Soc. ent. France 1904, p. 38. North France, *Rhopalocera*, GURNEY, pp. 324, 325, Entomologist 1904. MEADE-WALDO, Normandy, Entomologist, pp. 301–303. Touraine, WALDO, Entomologist 1904, pp. 69–71. DEWITZ, Villefranche, Rhone, by light, Allg. Zeitschr. Ent. ix, pp. 382–386, 401–408. BALESTRE, Alpes maritimes, *Plusia*, 6 spp. SIEPI, Feuille Natural. xxxiv, p. 247, Sainte Baume, *Parnassius mnemosyne*. SIEPI, t. c. p. 248, Marseille, short list.

Diptera. GIARD (598), Garden of the Luxembourg, Paris, rarities. GIARD (599), Argenteuil, *Agromyza simplex*. PANDELLÉ (1010), *Muscidæ*, Catalogue. VILLENEUVE (1459), Catalogue, continuation, *Ploas* sp. n., *Dysmachus* sp. n. PORTEVIN (1101), Normandy, *Syrphidæ*, list. VILLENEUVE, 3 novelties, Bull. Soc. ent. France 1904, p. 235. POUJADE, Digne, id. Fontainebleau, *Echinomyia popelii*, novelty, Bull. Soc. ent. France 1904, p. 22. VILLENEUVE, *Anthomyiidæ*, 24 novelties, pp. 190, 191, Bull. Soc. ent. France 1904. LESNE, Paris, *Penthetria holosericea*, Bull. Soc. ent. France 1904, p. 153.

Aphaniptera. OLIVIER (995), L'Allier.

Hemiptera. GUÉRIN & PÉNEAU (645), West France, descriptive work. OLIVIER (994), L'Allier, *Homoptera*, list with remarks. PÉNEAU (1015), *Hebrus* of France. PÉNEAU (1015), Nantes, novelties. PÉNEAU, Nantes, novelties, Bull. Soc. Ouest France (2) iv, pp. xii, xiii. FLEUTIAUX, Seine, *Orthotylus scotti*, p. 197, Bull. Soc. ent. France 1904. LAMBERTIE, Premier supplément à la contribution à la faune des *Hémiptères (Hétéroptères*, *Cicadines* et *Psyllides* du Sud-Ouest de la France, Act. Soc. Bordeaux lix, pp. 21–30; also cf. Pr. verb. lix, pp. xlvii, xlviii.

Orthoptera. Coëvrons, Mayenne, HOULBERT, C.R. Ass. Franc. xxxii, 2, pp. 750–753. Meuse, *Mantis*, VUILLEMIN, pp. 27–29, Feuille Natural. xxxv. SIEPI, Saint-Baume, *Saga serrata*, Feuille Natural. xxxiv, p. 248.

(g.) *Southern Europe* and *Mediterranean Basin* [see also (a.), (b.) and (f.) and for Caucasus and Transcaucasus (h.)].

Insecta. CHAMPION (258), Moncayo, *Col.* and *Hemipt.* FUENTE (573), Ciudad Real, *Coleoptera*, *Orthopt.*, *Hemipt.*, novelties. NAVÁS (975), Spain, *Coleoptera*, *Lep.*, *Orthopt.*, *Neuropt.* sp. ? NAVÁS (975), Sierra de Guara, *Ephippiger* sp. n., *Acrid.* 2 spp. n. CORTI (322), Galls of Italy. TROTTER & CECCONI (1399), Italian galls, arranged according to plants. COBELLI, Rovereto *Hym. Homopt.* 4 spp. Allg. Zeitschr. Ent. ix, pp. 11, 12. WERNER (1510), Bosnia and Herzegowina, account of journey. Majorca, MUSCHAMP, pp. 221, 222, Ent. Rec. xvi. Cephalonia, SANGIORGI, Atti Soc. Modena xxxvi, pp. 72–93.

Coleoptera. NORMAND (983), Albères, subterranean, list. DESBROCHERS (367), Spain, Portugal, Bosnia, *Thylacites*, 3 spp. n. PIC (1076), Spain and Balearic islds., *Anthicus*, Algeria, *Tychius* sp. n. REITTER (1156), Spain, *Athous*, 5 spp. n. UHAGON (1415), Spain, *Zabrus*, monograph, 2 spp. n. FERRER Y VERT, Barcelona, short lists, Butll. Inst. Catalan. i, pp. 14, 15, 78–80 & 105–111. FONT, Coves, short list, Butll. Inst. Catalan. i, pp. 116–119. FUENTE, Moncayo, Bol. Soc. Aragon ii, pp. 232, 233. FRANÇOIS (539), Carthagena, *Thorectes* sp. n. DODERO (397), Sardinia, *Bythinus* n. sp. Capri, N. Italy, *Bathyscia*, 3 spp. n. REITTER (1145), Lucano, n. g. *Endomychidæ*. VITALE, Messina, Boll. Natural. xxiv, pp. 26–28, 37–40, 54–56, 74–76. DODERO, Italy, *Bathyscia*, list of, Nat. Sicil. xvii, pp. 121–123. CARRET (246), N. Italy, *Athous* sp. n. MÜLLER (970), Dalmatia, *Apholeuonus*, 2 spp. n. MÜLLER (972), Dalmatia, *Bythinus* sp. n., *Alphitophagus* sp. n. GANGLBAUER (583), Meleda isld., Dalmatia, list with 1 sp. n. MÜLLER, Austrian coast, Munchen. Kol. Zeitschr. ii, pp. 314–320. ZOUFAL (1549), Herzegowina, *Silphidæ*, 1 sp. n. REITTER (1142), Herzegowina, *Bathyscia* sp. n. REITTER (1141), Herzegowina, *Dicerca* sp. n. REITTER (1151), Herzegowina, *Elater* sp. n. MÜLLER (971), Herzegovina, *Antroherpon* sp. n., *Bathyscia* sp. n. PENECKE (1016), Herzegowina, *Quedius* sp. n. BREIT (174), Herzegovina, *Anophthalmus* sp. n., Piedmont, *Lathrobium* sp. n. PIC, Greece and Corfu, *Malachius*, Bull. Soc. ent. France 1904, p. 42. CSIKI (329), Servia, *Otiorrhynchus* sp. n., *Phytonomus* sp. n. CSIKI (331), Servia, *Platynus* sp. n. RAGUSA (1115), Sicily. REITTER (1147), Sicily, *Pselaphus* n. sp. VITALE, Nat. Sicil. xvii, pp. 77 etc.; Sicily, *Curculionidæ*, novelties. VITALE, Nat. Sicil. xvii, pp. 26–41; Sicily, *Cossonini*. RAGUSA, xvii, pp. 49–54, 84–92; *Coleotteri* nuovi o poco conosciuti della Sicilia. RAGUSA, Nat. Sicil. xvii, pp. 21–24; Sicily, *Curculionidæ*. FIORI (509), Sicily, *Malthodes*, 2 spp. n. SCHULTZE (1252), Corsica and Algeria, *Baris*, 2 spp. n. FAUVEL (484), Algeria, *Geostiba* sp. n. DEVILLE (374), S. France and Algeria, *Dyschirius* sp. n. DU BUYSSON (216), Morocco, *Agriotes* sp. n. NORMAND (982), Tunis, *Pselaphidæ*, 5 spp. n. PIC (1075), Asia Minor, *Dermest.*, *Ceton.*, *Malacod.*, *Cistelid.*, *Anthicid.* sp. n. PIC (1073), Taurus, *Clytus* sp. n. PIC (1069), Egypt and Anatolia, *Laria* and *Urodon* spp. n. PIC (1061), S. Europe, Asia Minor, *Attagenus*, *Malacoderm.*, *Anthicus*, *Curcul.*, spp. n. PIC (1059), Syria, *Cardiophorus* sp. n. PIC (1058), Tokat, *Prionychus* n. sp. DEMAISON (360), Asia Minor, *Oochrotus* sp. n. K. DANIEL (347), Crete and Asia Minor, *Leptura*, 2 spp. n.

Hymenoptera. ANTIGA and others (36), Catalonia, *Aculeata* and *Chrysidæ*. BERTHOUMIEU (112), Spain, *Ichneumonidæ*, 4 spp. n. BERTHOUMIEU (113), Escorial, *Catadelphus* sp. n. DUSMET (417), Alicante, *Alastor* n. sp. GARCIA (585), Spain, Syria, Cairo, *Chrysid.* 4 spp. n. GARCIA (586), *Hedychridium* sp. n. GARCIA (587), Spain, *Bembex*,

3 spp. n. GARCIA (588), Madrid, *Nysson* n. sp. SAUNDERS & POULTON (1214), Majorca and Spain, *Aculeata*, 5 spp. n. MANTERO (904), Island of Giglio, n. g. *Bracon.*, *Pompilus* n. sp. MANTERO (902), North Italy, *Braconidæ*, 82 spp. STEGAGNO (1341), Guests in galls, Italy. BUYSSON (217), Zante, *Hedychridium* sp. n., Turkey, *Chrysis* sp. n. KIEFFER (794), S. Eur. and Tunis, *Proctotryp.*, 23 spp. n. FOREL (532), Kairouan, list, *Oxyopomyrmex* sp. n., *Biskra Stenamma* n. sp. KIEFFER (793), *Gasteruption* sp. n. FOREL (532), Jerusalem, short list.

Lepidoptera. CHAPMAN (259), Canales, *Heterogynis* sp. n. CHRÉTIEN (275), Segovia *Tephroclystia* sp. n. TUTT (1414), Vigo, *Cœnonympha* n. sp. WALSINGHAM (1469), Spain and Morocco, *Microlep.* spp. n. N. Spain, *Geometridæ*, PROUT, pp. 284–289, Ent. Rec. xvi. Sierra de la Demanda and Moncayo, CHAPMAN, pp. 85 etc., etc., Ent. Rec. xvi. MALUQUER, Ubach, Tarrasa, short list, Butl. Inst. Catalan i, pp. 56–59. BROWNE, Mediterranean, Entomologist 1904, pp. 186–188, 204–207. FLETCHER (517), Malta, list. VERITY (1436), Pistoja, list. VERITY (1437), Tuscany, *Rhop.* varr. VERITY, Italy, *Ochrostigma melagona*, novelty, Bull. Soc. ent. Ital. xxxvi, p. 11. PERLINI, Cat. of Italian *Lep.* continued, Riv. ital. Sci. Nat. xxiv, pp. 1 etc., etc. CANNAVIELLO, S. Italy, Riv. ital. Sci. Nat. xxiv, pp. 16–19 etc. FLECK (511), Dobrudscha, account of travelling. REBEL (1122), Bosnia, Herzegowina, Catalogue and comparative distribution, *Tineidæ*, 6 spp. n. ZICKERT (1548), S. Italy, *Zygæna*. RAGUSA, Sicily, novelties, Nat. Sicil. xvii, pp. 18–20. PETRY (1039), Corsica, *Scoparia*, *Conchylis*, *Lita*, *Stagmatophora*, *Lithocolletis*, sp. n. WALSINGHAM (1470), Algeria, *Tineidæ* n. spp., n. genn. CHRÉTIEN, Algeria, *Pyralidæ* and *Microlep.*, Naturaliste 1904, pp. 45, 46. FOUNTAINE (538), Asia Minor, list. BARTEL (90), Syria, *Eriogaster* sp. n.

Diptera. CORTI (321), Portugal, list of 86 spp. TROTTER (1396, 1397), Galls, *Perrisia* n. sp. KIEFFER (792), Vallombrosa, *Cecidomyiidæ*, 2 spp. n. BEZZI (124), Bosnia, *Clinocera* n. sp. EATON (445), Algeria, *Psychodidæ* sp. n. MARCHAL (911), Cyprus, *Cecidom.* sp. n. GILES (604), Asia Minor, *Culex fuscanus*.

Aphaniptera. KOHAUT (824), Bosnia, *Typhlopsylla* n. sp. KOHAUT (825), Bosnia, *Typhlopsylla* n. sp. ROTHSCHILD, N. (1192), Egypt, 4 spp. n.

Hemiptera Heteroptera. REUTER (1166), Soria, *Globiceps* n. sp. ARDID, Zaragoza, Bol. Soc. Aragon. ii, pp. 270–273. Cyprus, KIRKALDY, *Rincoti* raccolti dal Dott. G. Cecconi nell' isola di Cipro, Bull. Soc. ent. Ital. xxxvi, pp. 94–98. SPEISER (1332), Egypt, *Polyctenes* sp. n.

Homoptera. COBELLI, R., Contribuzioni alla *Cicadologia* del Trentino. Verh. Ges. Wien liv, pp. 556–558. HORVÁTH (716), Spain, Morocco, Asia Minor, *Caliscelis*, 3 spp. n.

Coccidæ. BERLESE (106), S. Italy, *Mytilaspis* n. sp.

Neuroptera. VENTALLÓ, Tarrassa, Butll. Inst. Catalana i, pp. 113–115. NAVÁS (974), *Planipennia*, *Perlidæ*, *Ephemeridæ*, spp. n. NAVÁS (976), *Myrmeleonides*, 1 sp. n. KIRBY (806), Amanus Mts., *Chasmatoptera* sp. n.

Perlidæ. MORTON, Algeria, *Strobliella minuta*, Ent. Mag. xl, p. 39.

Termitidæ. SJÖSTEDT (1301), Algeria and Tangier, *Termitidæ*, 2 spp. n.

Thysanura. SILVESTRI (1300), Umbria, *Machilidæ*, 2 spp. n. KUSNEZOV, Crimea, *Japyx solifugus*, Rev. Russe Ent. iv, p. 227.

Orthoptera. MEI (932), Alpes maritimes, *Locust.*, *Acrid.* SHUGUROV, S. Russia, *Acrida turrita*, distribution, p. 255, Rev. Russe Ent. iv. WERNER (1511), Asia Minor, *Saga*, list.

(h.) *Caucasus* and *West* and *Central Asia*, including *Arabia* [see also (a.) and (b.)]: for Tibet see 6, for Mediterranean Asia see (g.).

Insecta. SAHLBERG (1203), expedition with lists *Col.* and *Hemipt.*

Coleoptera. BAECKMANN (74), Turkestan, *Anoplistes* n. sp. CHOBAUT (270), Arabia, *Thorictus* n. sp., *Mordellistena* n. sp. ESCHERICH (469), Turkestan, Tibet, Algeria, *Meloidæ*, 9 spp. n. JAKOVLEFF (753), Tiflis, *Sphenoptera* n. sp. LESNE (876), Lob-Nor, *Xylogenes* n. sp. LUZE (895), Russian Centr. Asia, *Staphylinidæ*, 32 spp. n. LUZE (896), Central Asia, *Staphylinidæ*, 2 spp. n. PETRI (1037), Turkestan, *Lixus* n. sp. PIC (1079), Araxes Vall, Mongolia, Buchara etc., *Curculionidæ* spp. n. PORTEVIN (1100), Mongolia, *Liodes*, sp. n. REITTER (1150), Transcaucasus, *Eusomus* sp. n. REITTER (1153), Caucasus, *Mycetophagus* n. sp. SCHMIDT (1230), East Buchara, *Thorictus* sp. n. SEMENOV (1275), Transcaucasus, *Stomis*, 2 spp. n. SEMENOW (1281), Lake Balkash, *Nyctiphantus* n. sp. TSCHITSCHERIN (1401), Caucasus, *Trechus* sp. n. TSCHITSCHERIN (1402), N. Persia, *Stomis* n. sp. WATERHOUSE (1491), *Acmæodera* n. sp., *Steraspis* n. sp. WEISE (1505), Mesopotamia, *Pseudocolaspis* sp. n.

Hymenoptera. FOREL (527), Buchara, list, Gobi, *Formica* sp. n. FOREL (532), *Caucasus*, ants, list. KONOW (833), Caucasus, *Entodecta* sp. n. RUZSKY (1202), Caucasus and Crimea, *Leptothorax* sp. n.

Lepidoptera. PÜNGELER (1111), Centr. Asia, 10 spp. n. SAUBER (1213), Anklam, *Crambus*, *Phlyctænodes* sp. n. SCHAPOSCHNIKOV (1221), Caucasus, *Macrolep.* Catalogue, 575 spp.

Diptera. SPEISEN (1331), Merv, *Lychnia exornata.*

Hemiptera. JAKOWLEW (757), Koukou-noor, *Palomena* n. sp. HORVATH (717), Turkestan, lists of *Heteroptera* and *Homoptera* spp. n. REUTER (1164), Persia, *Capsidæ*, 7 spp. n. REUTER (1166A), Aden, *Capsidæ*, 2 n. spp. REUTER (1167), Turkestan, Mongolia, E. Siberia, *Capsidæ*, 12 n. spp.

Termitidæ. JACOBSON (741), Turkestan, *Hodotermes*, 2 spp. n.

4. AFRICA (TROPICAL & SOUTH). For North Africa see 3 (g.): for Comoro and Aldabra Ids. see 5. Socotra, see 3 (h.).

Insecta. TROTTER (1398), Galls of Erythrea. WASMANN and others (1485), White Nile, Termitophilous Ins., 10 spp. n.

Coleoptera. AURIVILLIUS (57), *Cerambycidæ*, 13 spp. n., genn. n. BERNHAUER (107), W. Africa, *Dinusa æthiopica* and *Platyola simplex* n. sp. BERNHAUER (108), W. Africa, *Staphylinus*, *Leistotrophus* sp. n. BERNHAUER (109), *Eleusis*, *Lispinus*, *Holosus*, *Omalium*, *Osorius* spp. n. BOILEAU (143), *Lucanidæ*, 3 spp. BOURGEOIS (161), S. Africa, *Chlamydolycus* n. sp. CAMERON (221), Perim, *Diglossa*, 2 spp. n. DISTANT (382), S. Africa, *Cerambycidæ*, monograph. FAUST (481), *Cleonides* many spp. n., n. g. FAUVEL (485), *Staphylinidæ* n. spp. FAUVEL (487), Upper Egypt, *Platyprosopus* sp. n. FAUVEL (489), *Staphylinidæ*, 14 spp. n. FELSCHE & D'ORBIGNY (494), Cameroons, *Coprides*, 3 spp. n. GEBIEN (589), Cameroon, *Tenebrionidæ*, 19 spp. n., n. g. GEBIEN (590), *Pycnocerini*, 6 spp. n. GESTRO (595), W. Africa, *Cœlænomenodera*, 2 spp. n. GESTRO (596), *Platypria* n. spp. GROUVELLE (639), *Nitid.*, *Colyd.*, *Cucuj.*, *Mycetoph.*, 8 spp. n. HAGEDORN (649), Caffraria, *Scolytoplatypus* n. sp. HARTMANN (663), E. Africa, *Curculionidæ*, 46 spp. n., genn. n. HAUSER (664), *Cetoniidæ*, 5 spp. n., genn. n. HEATH (668), E. Africa, *Cœlorrhina* and *Eudicella*, n. sp.

HELLER (674), Cameroons, *Curculionidæ*, 14 spp. n. HELLER (675), E. Africa, *Zygopides* sp. n. HORN (709), E. Africa, *Cicindelidæ*, 4 spp. n. HORN (711), Cameroons, *Cicindelidæ*, 2 spp. n. HORN (712), E. Africa, *Megacephala* sp. n. JACOBY (745), *Chrysomelidæ*, 63 spp. n. JORDAN (768), *Anthribidæ*, 8 spp. n. JORDAN (770), Brit. E. Africa, *Cerambycidæ*, 4 spp. n. KERREMANS (786), Trop. Africa, *Julodines*, descriptions. KOLBE (830), *Copridæ*, *Dynastid.*, *Ceton.*, *Psammodes* spp. n. KOLBE (831), Cameroons, *Valgidæ* n. g. LEWIS (880), *Histeridæ*, 4 spp. n. MANTERO (903), Somaliland and Scioa, *Rhogas*, 3 spp. n. MARSHALL (915), *Hipporrhinus* monograph, 21 spp. n.

MÖLLENKAMP (954), W. Africa, *Metopodontus* sp. n. MOSER (964), E. Africa and Sao Thomé, *Cetoniidæ*, 11 spp. n. SHARP (969), Natal, *Cassida* sp. n. D'ORBIGNY (996), *Onthophagides*, 24 spp. n. D'ORBIGNY (997), W. Africa, *Onthophagides*, 12 spp. n. D'ORBIGNY (998), *Onthophagus*, 14 spp. n. PÉRINGUEY (1027), S. Africa, *Melolonthini* of, n. genn., n. spp. PÉRINGUEY (1028), S. Africa, about 200 spp. n., *Cicindelidæ*, *Carabidæ*, *Paussidæ*, *Staphylinidæ*, *Coprides*, *Ptinidæ*, *Tenebrionidæ*, *Cantharidæ*, *Lagriidæ*. PÉRINGUEY (1029), Transvaal, *Dromica*, 2 spp. n., *Anomalipus*, 4 spp. n. PIC (1053), Abyssinia, Niger, *Anthicidæ*, 2 spp. n. PIC (1055), Natal, *Malacodermidæ* n. sp. PIC (1062), *Malacod.*, *Anobiid.*, *Anthicid.* spp. n. PIC (1064), Caffraria, *Malegia* sp. n. PIC (1066), Natal, *Malacodermid.*, 5 spp. n. PIC (1068), Dunbrody, *Malcod.*, *Notoxus*, *Salpingus* n. sp. PIC (1073), S. Africa, *Malacod.*, 5 spp. n., *Rhipiph.* g. n. PIC (1078), Somali, *Anthicus* n. sp. PREISS (1106), German E. Africa, *Cetoniidæ*, 6 spp. n.

RAFFRAY (1114), *Pselaphidæ*, general work. RÉGIMBART (1125), W. Africa, *Dytiscidæ*, 2 spp. n., *Dineutes*, sp. n. REITTER (1154), E. Africa, blind Carabid, n. gen. SCHENKLING (1226), Somali land, *Phlococopus* sp. n. THÉRY (1377), E. Africa, *Buprest.* sp. n. WASMANN (1481), *Paussidæ*, 6 spp. n. WASMANN (1484A), Congo, n. genn., n. spp., Myrmecophilous *Staphylinidæ*. WATERHOUSE (1491), *Buprestidæ*, 17 spp. n. WEISE (1503), *Chrysomelidæ*, incl. *Cassidæ* and *Hispidæ*, 23 spp. n., n. g. WEISE (1504), *Hispidæ*, 2 spp. n. WEISE (1507), *Hispidæ*, 3 spp. n.

Hymenoptera. ANDRÉ (28), W. Africa, *Mutillidæ*, 11 spp. n. ASHMEAD (51), Liberia, *Curriea* sp. n. DU BUYSSON (217), *Chrysid.*, 5 spp. n. DU BUYSSON (219), Damara land, *Masaris* sp. n. CAMERON (223), S. Africa, *Vespidæ*, *Bracon.*, *Chalc.* sp. n. CAMERON (224), Cape Colony, *Fossoria*, *Proctotryp.*, *Ichneum.*, *Bracon.*, *Evaniid.*, *Cynip.* spp. n. CAMERON (225), *Thynnides*, *Ichneum.*, *Bracon.*, *Cynip.*, 20 spp. n., genn. n.

CAMERON (237), S. Africa, *Pimplina* n. g. CAMERON (238), Uitenhage, *Apteropompilus* sp. n. ENDERLEIN (456), *Braunsia*, 9 spp. n. ENDERLEIN (457), Somali, n. g. *Rhopalosomidæ*. ENDERLEIN (465), Trop. Africa, *Ichneumonidæ*, 3 spp. n. FOREL (529), *Carebara* sp. n.

FOREL (531), Natal, *Plagiolepis* sp. n. FRIESE (544), *Anthidium* and *Serapis*, 8 spp. n. FRIESE (546), *Apidæ*, 10 spp. n. FRIESE (549), *Megachile*, 12 spp. n. FRIESE (551), *Cœlioxys* revision, spp. n. KONOW (838), *Arge*, 3 spp. n., *Distega* n. g. KIEFFER (793), *Proctotrypidæ* and *Evaniidæ* spp. n. KIEFFER (794), *Proctotrypidæ*, 17 spp. n. KIEFFER (795), *Oberthurella* n. sp. MORICE & SZÉPLIGETI (959), White Nile, *Aculeata*, 3 spp. n., *Iphiaulax* sp. n. MAYR (927), White Nile, *Formicidæ*, 2 spp. n. MAYR (928), Cape, *Ponera* sp. n. MOCSÁRY (952), S. Africa, *Chrysis*, 9 spp. n. SZÉPLIGETI (1367), *Braconidæ* n. spp. TULLGREN (1404), Cameroons, *Diploptera* and *Fossoria*, 19 spp. n. WASMANN (1484A), Congo, *Dorylus* n. sp.

Lepidoptera. AURIVILLIUS (60), Cameroons, spp. n., genn. n. AURIVILLIUS (61), *Acræa*, 3 n. spp., *Euryphene* and *Diestogyna*, 1 sp. n.

AURIVILLIUS (62), *Bombyces*, 9 spp. n. AURIVILLIUS (63), White

Nile list. AURIVILLIUS (64), Cameroons, *Papilio* n. sp. BETHUNE-BAKER (117), Sierra Leone, *Rhopalocera*, 15 spp. n. CATOR (250), Sierra Leone, *Lycænidæ*, 4 spp. n. HEYN (685), E. Africa, *Ilema* n. sp. JORDAN (771), *Syntomid.*, 3 spp. n., *Phragmatobia* sp. n., *Agaristidæ*, 4 spp. n., *Sindris* sp. n. NEAVE (977), Victoria Nyanza, *Rhopalocera*, with table of distribution and n. spp. REBEL (1121), German East Africa, *Saturniidæ* sp. n. ROTHSCHILD (1195), *Sphingidæ*, 5 spp. n. ROTHSCHILD (1196), Aruwimi For., *Melanitis* n. sp. SHARPE (1286), Equatorial Afr., *Rhopalocera*, 4 spp. n. SHARPE (1287), Africa equat., *Rhopalocera*, 6 spp. n. SHARPE (1288), Equat. Africa, *Lycænidæ*, 5 spp. n. SUFFERT (1353), *Rhopalocera*, many spp. n. SUFFERT (1354), German E. Africa, *Rhopalocera*, 6 spp. n. SUFFERT (1355), E. Africa, *Alæna* sp. n. SUFFERT (1355a), *Nymphalidæ*, 4 spp. n. SWINHOE (1361), *Agaristidæ*, *Lymantr.*, *Aganaidæ*, *Limacodidæ*, *Margaronia* spp. n. SWINHOE (1362), Trop. Africa, *Geometridæ*, list, many spp. n. SWINHOE (1363), W. Africa, *Euproctis* sp. n. THURAU (1386), E. Africa, n. g. *Noctuidæ*. TRIMEN (1394), E. Africa, *Zerites*, *Lycæna* sp. n. WARREN (1475), *Drepan.*, *Thyrid.*, *Uran.*, *Geometr.* spp. n.

Diptera. BALFOUR (77a), Nile, *Culicidæ*. BISCHOF (130), Algoa Bay, *Tachinidæ*, 4 spp. n. BRUMPT (191), Centr. Africa, *Glossina* n. sp. GILES (603), Angola, *Culex* n. sp. GRÜNBERG (641), Cameroons, *Rhinoestrus* sp. n. THEOBALD (1373), Gambia, *Culicidæ*, 6 spp. n. THEOBALD (1374), Senegal, *Culicidæ* n. g. THEOBALD (1376), Egypt etc., *Culicidæ*, 8 spp. n.

Aphaniptera. ROTHSCHILD (1191), Cape Colony, n. spp.

Hemiptera. BREDDIN & BÖRNER (173), Natal with Termites, n. sub-order.

Hemiptera Heteroptera. BERGROTH (102), Soudan, *Glypsus* n. sp. BERGROTH (103), Cameroons, *Reduviidæ*, 3 spp. n. BERGROTH (104), Cameroons, *Megadæum* sp. n. DISTANT (385), Transvaal, *Macrocoris* n. sp. DISTANT (386), Old Calabar, *Chauliops*, Cape Colony, *Henicocephalus* sp. n. DISTANT (387), S. Africa n. genn., n. spp. DISTANT (390), Transvaal, *Heteroptera*, 14 spp. n., gen. n. DISTANT (391), W., E. and S. Africa, spp. n., *Coreidæ*, *Pyrrhocoridæ*, *Nepidæ*. HORVÁTH (715), *Pentatomidæ* spp. n., genn. n., St. Thomé Is. list. KIRKALDY (808), S. Africa, *Metrocoris* n. sp. REUTER (1166a), Abyssinia, *Capsidæ*, 9 spp. n. REUTER (1168), Congo, *Capsidæ*, 6 spp. n. SCHOUTEDEN (1235), *Pentatomidæ*, 13 spp. n. SCHOUTEDEN (1237), Guinea, *Pentatomidæ*, 8 spp. n. SCHOUTEDEN (1238), Trop. Africa, *Pentatomidæ*, n. genn., n. spp. VARELA (1431), Guinea, *Reduviidæ*, 8 spp. n. VARELA (1432), Cameroons, *Reduviidæ*, 3 spp. n.

Homoptera. DISTANT (384), *Cicadidæ*, 4 spp. n. DISTANT (393), *Cicadidæ*, 4 spp. n. JACOBI (733), Somali Land, Soudan, *Homoptera*, 10 spp. n. JACOBI (735), E. Africa, *Locris*, sp. n. MELICHAR (937), Shoa, Galla and Somali, *Homoptera*, 30 spp. n. SCHMIDT (1229), Benue, *Flatid.* sp. n.

Aphidæ. THEOBALD (1375), Sudan, *Aphis* sp. n.

Trichoptera. ULMER (1418), W. Africa, 3 spp. n., gen. n. ULMER (1419), Cameroons, 3 spp. n., n. g.

Neuroptera. WEELE (1501), W. Africa, *Cymothalis* sp. n.

Termitidæ. SJÖSTEDT (1301), *Termitidæ*, 19 spp. n. DESNEUX (369), Cameroons, *Termes* sp. n.

Embiidæ. VERHOEFF (1434), Cameroons, *Embia* sp. n.

Orthoptera. ADELUNG (12), Abyssinia, *Blattidæ*, 8 spp. n. BOLÍVAR (144), *Chrotogoninæ*, 9 spp. n. BOLÍVAR (145), *Petasia*, *Maura*, 5 spp. n. BOLÍVAR (146), *Pirgomorphidæ*, 5 spp. n. BOLÍVAR (147), *Pœcilocerinæ* and *Pyrgomorphinæ* spp. n. BORG (155), Cameroons, *Blattidæ*, 14 spp. n. BORG (156), Cameroons, *Forficulidæ*, 9 spp. n. BURR

(201), *Forficulidæ* spp. n. BURR in DISTANT (382), S. Africa, *Bormansia* n. sp. KIRBY (804), *Mantidæ*, 5 spp. n., gen. n. REHN (1128), Zulu and Gaboon, 2 spp. n. REHN (1130), S. Africa and Mombasa, *Phasmidæ*. REHN (1133), W. Africa, *Acridiidæ*, 3 spp. n.

5. MADAGASCAR, including ALDABRA ISLDS., etc.

Coleoptera. BEGUIN-BILLECOCQ (98), Madagascar and Mayotte, *Apion*, 8 spp. n. BERNHAUER (108), *Medon*, *Eulissus*, *Xantholinus*, *Pachycorinus*. BERNHAUER (109), *Eleusis*, *Osorius*. FAIRMAIRE (473), 125 spp. n., genn. n. FAIRMAIRE (477), *Cicindelidæ* 3, *Carabidæ* 2, spp. n. FAUVEL (485), *Staphylinidæ* n. spp. FAUVEL (491), *Staphylinidæ*, 54 spp. n. FLEUTIAUX (518), *Cardiophorus* sp. n. HORN (708), *Pogonostoma* sp. n. PIC (1053), *Anthicidæ*, 3 spp. n. PIC (1054), *Ptinus*, 2 spp. n. PIC (1056), *Salpingus*, *Hylophilus* spp. n. PIC (1092), *Xamerpus*, *Theca* sp. n. PIC (1068), *Bruchus*, *Malegia* sp. n. RAFFRAY (1114), *Pselaphidæ*, general work, n. g. SCHENKLING (1226), *Phlœocopus* sp. n.

Hymenoptera. BUYSSON (217), *Chrysid.*, 2 spp. n. FOREL (527), *Strumigenys* sp. n. KIEFFER (796), Mad., Nossi-Bé, Bourbon, *Chalcidinæ* n. genn., n. spp. SZÉPLIGETI (1366), *Camarota* n. sp.

Lepidoptera. SWINHOE (1362), *Geometridæ*, 17 spp. n.

Diptera. DYÉ (443), *Anophelinæ*.

Hemiptera. DISTANT (384), *Cicada* sp. n. HORVÁTH (715), *Pentatomidæ*, 10 spp. n. SCHOUTEDEN (1238), *Scotinophara*.

Coccidæ. MARCHAL (909).

Termitidæ. SJÖSTEDT (1301), 5 spp. n.

Orthoptera. BOLÍVAR (146), *Phymateus*, 2 spp. n. BOLÍVAR (147), *Pyrgomorphinæ* spp. n. BURR (201), *Forficulidæ* spp. n.

6. TROPICAL and EASTERN ASIA, incl. JAPAN and TIBET.

For outskirts see also 3 (a.), (g.), (h.). Arabia, see 3 (h.).

Insecta. PAVIE (1011A), Fauna of Indo-China.

Coleoptera. ARROW (38), Penang, *Ochodæus* sp. n. AURIVILLIUS (57), Malacca, *Glenea* sp. n. BERNHAUER (108), Shanghai, *Eulissus* sp. n. BERNHAUER (109), Tonkin, *Lispinus*, Annam, *Trogophlœus* spp. n. BOILEAU (141), Kashmir, *Dorcus* sp. n. BOILEAU (142), Madura, *Dorcus* sp. n. BOILEAU (143), India and Burma, *Lucanidæ*, 4 spp. n. BOUCOMONT (159), India, China, etc., *Enoplotrupes*, *Geotrupes*, 9 spp. n. BOURGEOIS (160), S. India and Ceylon, *Malacoderm.*, 5 spp. n. CAMERON, Perim Is. See Africa. FAUST (481), India, China, Japan, *Cleonides* spp. n. FAUVEL (482), India and Burma, *Staphylinidæ*, 27 spp. n. FAUVEL (485), India, Ceylon, etc., *Staphylinidæ* n. spp. GROUVELLE (640), Bangkok, *Heterocerus* n. sp. HAGEDORN (648), Darjiling, Japan, *Scolytidæ*, 5 spp. n. HORN (713), Ceylon, *Cicindelidæ* list, 3 spp. n. JACOBY (744), India, *Chrysomelidæ*, 43 spp. n. JACOBY (749), Tonkin, *Sagra* n. sp. JORDAN (767), Tonkin, 12 spp. n., Sikkim, 1 sp. n. JORDAN (772), Burma, *Anthribidæ*, 2 spp. n. KOKUJEV (827), W. China, *Ichneumonidæ* spp. n. KOLBE (831), Tonkin, Perak, Andamans, *Valgidæ* n. g. LESNE (876), India, *Sinoxylon* n. sp. LEWIS (880), India, *Histeridæ*, 3 spp. n. MAINDRON (899), *Tricondyla* n. sp., *Crepidopterus* n. sp. MÖLLENKAMP (954), Himalaya, *Prosopocœlus* sp. n. MOSER (965), Tonkin, Perak, Assam, *Valgides* n. spp. OBERTHÜR (989), Darjeeling, *Sphingidæ* n. g. PETRI (1035), India, *Lixus*, 2 spp. n. PIC (1058), Japan, *Malachius*, 2 spp. n. PIC (1064), Tien-tsin, *Scraptia* sp. n. PIC (1065), Japan, *Dichelotarsus* sp. n. PIC (1069), Tonkin, *Laria* n. sp.

PORTEVIN (1100), Darjeeling, Mou-pin, *Silphidæ*, 5 spp. n. RAFFRAY (1114), incl. India and Japan, *Pselaphidæ*, general work. REITTER (1148), Japan, *Cionus* n. sp. REITTER, Afghanistan and Gobi: see Pal. *Col.* SCHWARZ (1266), Ceylon, *Adelocera* sp. n. SPAETH (1327), Burma, *Cassida* sp. n. THÉRY (1377), Mysore, *Buprest.* sp. n. THÉRY (1378), Ceylon, *Buprestides*, 14 spp. n. WASMANN (1481), India, *Paussidæ*, 7 spp. n. WASMANN (1484A), Bombay, *Doryloxenus*, 2 spp. n, *Discoxenus* n. g. WATERHOUSE (1491), Tonkin, India, Andamans, *Buprestidæ*, 5 spp. n. WEISE (1503), China, *Dioryctus* sp. n. WEISE (1504), Tonkin, India, *Hispidæ*, 2 spp. n. WEISE (1507), India, Ceylon, *Hispidæ*, 3 spp. n. ZANG (1546), Assam, *Basilianus* sp. n.

Hymenoptera. ASHMEAD (46), Japan, Fossoria, *Bethylidæ*, *Proct.*, *Cynip.*, *Chalc.* n. spp.; Formosa, *Eupelmus* n. sp. ASHMEAD (50), Ceylon, n. sp. *Alysiidæ.* DU BUYSSON (218), China, Malacca, Andamans etc., *Vespa*, 5 spp. n. CAMERON (222), Singapore, *Piagetia*, *Icaria*, *Bracon.* spp. n. CAMERON (226), Khasia hills, *Cryptinæ*, 26 spp. n. CAMERON (227), Khasia hills, *Bembex* sp. n. CAMERON (229), Japan, *Dielis* and *Eumenes* n. sp. CAMERON (230), India, *Apidæ*, *Vespidæ*, *Fossor.*, *Ichn.*, *Chalcid.* CAMERON (231), *Odynerus* spp. n., *Epyris* and *Haliphera* sp. n., n. g. *Braconid.* CAMERON (232), N. India, *Apidæ* spp. n., *Fossores* spp. n., *Ichneumonidæ* spp. n. CAMERON (233), N. India, n. spp. *Apidæ*, *Mutillides*, *Fossores*, *Ichneumonidæ.* CAMERON (234), India, n. spp. *Braconidæ*, *Fossoria*, *Vespidæ*; Ceylon, *Megachile* n. sp. CAMERON (235), Deesa, *Juartinia* n. sp. CAMERON (236), India, *Athalia* n. sp. CAMERON (241), India, *Ichneumonidæ*, 14 spp. n., genn. n. ENDERLEIN (456), Ceylon, *Braunsia* sp. n. FOREL (532), N. India, Kasmir, *Formicidæ*, 6. spp. n. FRIESE (548), Nicobars, *Megachile* sp. n. MOCSÁRY (953), *Siricidæ*, Japan, 1 sp. n., Tonkin, 4 spp. n. MOCSÁRY (951), Tonkin, *Clavellaria* sp. n. NURSE (985), India, *Apidæ*, many n. spp. NURSE (986), India, *Chrysid.* 7 spp. n., *Fossoria*, 2 spp. n., *Eumenes* sp. n. KIEFFER (794), India, Burma, *Proctotryp.*, 3 spp. n. SCHULZ, India, 4 spp. *Crabro*, Zeitschr. Breslau xxix, p. 101.

Lepidoptera. BUSCK (206), China, *Coleophora* sp. n. DIETZE (380), Japan, *Eupithecia* sp. n. DRUCE (408), Malay States, *Lycænidæ* list. DUDGEON (416), Sikhim and Bhutan, *Noctuidæ*, Cat. DYAR (428), Japan, *Epipyrops* sp. n. EHRMAN (447), Ceylon, *Ornithoptera* sp. n. FAWCETT (492), Sikkim, *Rhopalocera*, 10 spp. n. FRUHSTORFER (568), Malay states, *Felicota* n. sp. GREEN (621), Ceylon, *Danais alcippus.* HAMPSON (654), India, *Notodontidæ*, 2 spp. n. HEYLAERTS (682), Tonkin, *Chalia* n. sp. MANDERS (900), Ceylon, *Rhopalocera*, distribution. MOORE (956), India, *Pieridæ*, 1 sp. n. Baluchistan, *P. machaon*, NURSE, p. 723, J. Bombay Soc. xv. OBERTHÜR (988), Siao-Lou, *Rhagastis* sp. n. PÜNGELER (1110), Japan, *Noctuidæ*, *Geometridæ*, 4 spp. n. SWINHOE (1361), Singapore, *Bombyces*, 2. spp. n., Poona, *Thosea* sp. n. SWINHOE (1363), Khasia hills, *Scopelodes* sp. n., *Hyperæschra* sp. n. SWINHOE (1364), Perak, *Ercheia*, sp. n. WARREN (1476), India, *Cryptoloba* sp. n., Tonkin, *Uliura* and *Ptychopoda* n. sp. YOUNG (1542), India, *Rhopalocera*, distribution.

Diptera. BEZZI (125), Ceylon, *Empidæ*, 4 spp. n., India, Singapore, 3 spp. n., Indo-Australian *Empidæ* list. COQUILLETT (314), India and Ceylon, *Acalyptratæ*, 4 spp. n. GILES (601), India, *Corethra* n. sp. GILES (604), Himalaya, *Howardina* sp. n. JAMES & LISTON (760), India, *Anopheles*, with sp. n. KERTÉSZ (789), India, *Sapromyzides* n. g. MEIJERE (934), Darjiling, Ta-tsien-lu, n. spp. RICARDO (1172), Ceylon, *Udenocera* n. g. *Tabaninæ.* SPEISER (1331), Burma, *Ornithomyia obscurata.* THEOBALD (1371), Malay States, *Culicidæ* n. genn., n. spp.

Aphaniptera. ROTHSCHILD (1191), India, Japan n. spp.

Hemiptera. BREDDIN (167), *Chilocoris*, 2 spp. n. BREDDIN (168),

Tonkin, 11 spp. n., Sikkim, sp. n. *Pentatomidæ*. DISTANT (383), India, Ceylon, Burma, *Reduviidæ–Capsidæ*. DISTANT (384), India and Pahang, *Cicadidæ*, 8 spp. n. DISTANT (385), Ceylon, n. g. *Naucoridæ*. DISTANT (386), India, *Glossopelta*, Ceylon, *Cercotmetus* n. sp. DISTANT (387), China, *Fulgentius* n. g. *Capsidæ*, Singapore, *Mertila* n. g. DISTANT (392), Himalaya, Burma, *Anthocoridæ*, 3 genn. n. DISTANT (393), Japan, China, Formosa, Laos, *Cicadidæ* spp. n. HORVÁTH (714), Malacca, Burma, *Colobathristinæ* n. spp. HORVÁTH (718), Japan, *Plea* n. sp., Ceylon, *Micronecta* n. sp. JAKOVLEV (756), Sé-Tschuen, *Geocoris* sp. n. KIRKALDY (813), India, Cochin China, *Notonectidæ*, 2 spp. n. MARTIN (918), S. India, n. g. *Tesseratominæ*. MATSUMURA (922), Japan, *Cercopidæ*, 19 spp. n., *Cicada* sp. n. REUTER (1162), Setschuan, *Stenodema*, 3 spp. n. REUTER (1165), Corea, *Capsidæ*, 2 spp. n. REUTER (1166B), China and Mou-Pin, *Capsidæ* spp. n. SCHMIDT (1229), Ceylon, *Ormenis* sp. n. SCHOUTEDEN (1236), Hainan, India, *Scutellerides*, 2 spp. n. Ceylon, brief notes on fauna, Spolia Zeylan. i, pp. 114–116.

Coccidæ. GREEN (620), Ceylon, *Lecanium* n. spp.

Termitidæ. DESNEUX (369), Annam sp. n., Ceylon sp. n. DESNEUX (373), Kashmir, *Termopsis* n. sp.

Odonata. FÖRSTER (536), Upper Malacca, Sikkim, 4 spp. n. WILLIAMSON (1531), Burma and Lower Siam, *Calopteryginæ* list, 1 sp. n. WILLIAMSON (1532), Formosa, *Psolodesmus* sp. n. BOLÍVAR (144), India, *Chrotogonus* sp. n. BOLÍVAR (147), India, *Pœcilocerus* n. sp. BURR (201), India, Japan, China, Tibet etc., *Forficulidæ* n. spp. HANCOCK (655), Ceylon, *Tettigidæ* monograph, 9 spp. n. KIRBY (804), Nepal, Ceylon, *Mantidæ*, 2 spp. n. KIRBY (805), *Phasmidæ*, Tonkin, 6 spp. n., Singapore, Penang, 3 spp. n. KRAUSZE (843), Tonkin, *Phaneropteridæ*, 2 spp. n. KRAUSZE (844), Tonkin, *Conocephalidæ*, 2 spp. n. NAVÁS (975), Himalaya, *Blattidæ*, *Mantidæ*, *Acridiid.*, 4 spp. n. REHN (1128), Lower Siam, *Blattidæ*, 5 spp. n. REHN (1130), Siam, *Phasmidæ*, Japan, n. spp. REHN (1133), Siam, *Scelimena*, Japan, *Erianthus* sp. n.

7. ASIATIC ARCHIPELAGO, including PAPUA. (For islands beyond Papua see 2. Insular.)

Insecta. DYAR, Philippines, notice of a general work of 1895 by ELERA; J. N York Ent. Soc. xii, pp. 58, 59.

Coleoptera. ARROW (38); Java *Ochodæus* n. sp. AURIVILLIUS (57); *Glenea* 7 spp. n. BERNHAUER (108); Mentawei, *Holosus*, Sumatra, *Pinophilus* sp. n. BERNHAUER (109); Nias Sumatra, *Lispinus Holosus*, Mentawei *Osorius*. BOILEAU (143); Sumatra, *Hemisodorcus* sp. n. FAUVEL (482); Java, Borneo, etc. *Museochara* n. sp. FAUVEL (485); *Staphylinidæ* n. spp. FAUVEL (486); Sumatra, *Lyctus* n. sp. FAUVEL (490); New Guinea, *Staphylinidæ*, 2 n. spp. GEBIEN (590); Borneo, *Pheugonius* n. sp., Java, *Spirocus* n. sp. HAGEDORN (650); Java, *Scolytoplatypus* sp. n. HAUSER (664); N. Guinea, *Vulgus* sp. n. HAUSER (665); Key islds., *Nemophas* n. sp. HORN (710); N. Guinea, *Cicindela* sp. n. JACOBY (743); New Guinea, *Chrysomelidæ*, 54 spp. n. JORDAN (767); Sumatra, Borneo, Celebes, Philippines, *Anthribidæ* spp. n. JORDAN (772); Java, Celebes, New Guinea, Ternate, *Anthribidæ*, 14 spp. n. KOLBE (831); Sumatra and Borneo, *Valgidæ* n. genn., n. spp. LEWIS (880), Borneo, *Niponius* sp. n.; Java, *Platysoma* n. sp. MÖLLENKAMP (954); Borneo and Sumatra, *Lucanidæ*, 5 spp. n. MOSER (965); Borneo, Sumatra, *Valgides* spp. n. PETRI (1037); Borneo, Java, *Lixus* sp. n. PIC (1064); Sumatra, *Mesocœlopus* sp. n. RAFFRAY (1114); *Pselaphidæ*, general work. SPAETH (1327); Java, Sumatra, Mentawei, Borneo, *Cassididæ*, 4 n. spp. WASMANN (1481); Java, *Paussus*, 2 spp. n. WEISE

(1504); Borneo, Celebes, Sumatra, New Guinea, *Hispidæ* n. spp. ZANG (1545); Moluccas, *Passalidæ* n. sp. ZANG (1546); Borneo, *Passalidæ*, 2 genn. n.

Hymenoptera. ASHMEAD (44); Philippines, *Apidæ* n. spp., *Fossor.*, 2 spp. n., *Hedychrum* sp. n., *Telenomus* sp. n., *Braconidæ* sp. n., *Ichn.* n. sp. ASHMEAD (47); Philippines, *Apidæ*, 2 spp. n., *Fossoria*, 7 spp. n., *Mutillidæ*, 1 sp. n., *Bethylidæ*, 3 spp. n., *Proctotrypidæ*, 1 sp. n., *Chalcid.*, 7 spp. n., *Evaniidæ* sp. n., *Ichneumonidæ*, 12 spp. n., *Braconidæ*, 10 spp. n. ASHMEAD (48); Philippines, Catalogue with spp. n. ASHMEAD (53); Philippines, fig-insects, 2 spp. n. BUYSSON (217); Java, *Chrysis* n. sp. CAMERON (222); Ternate, *Bracon* n. sp. COCKERELL (282); Philippines, *Ctenoplectra* sp. n. ENDERLEIN (456); *Braunsia*, 3 spp. n. FRIESE (541), Tenimber-Larat, *Vespidæ* n. g. FRIESE (548), *Megachile* sp. n. FRIESE, Java, list, Allg. Zeitschr. Ent. pp. 138–140. KIEFFER (793), Java, *Evaniidæ* spp. n. KIEFFER (794), Sumatra, New Guinea, Ternate, *Proctotryp.* 7 spp. n. KRIEGER (845), New Guinea, *Trichomma* sp. n. SAUSSURE (1218), Borneo, *Megischus* n. sp. SCHULZ (1255), New Guinea, short list, *Cœlioxys* sp. n. SZÉPLIGETI (1367), Celebes, New Guinea, *Braconidæ* n. spp. TULLGREN (1405), Java, *Scolia*, 4 spp. n.

Lepidoptera. BETHUNE-BAKER (116), Brit. New Guinea, *Lycænidæ*, *Erycinid.*, *Bombyc.* s. l., *Noctuid.*, many spp. n. BETHUNE-BAKER (118), Halmaheira, Borneo, *Arhopala*, 3 spp. n. DANNATT (351), Gilolo, *Delias* n. sp. H. H DRUCE (407), Borneo and New Guinea, *Lycænidæ*, 4 spp. n. FRUHSTORFER (566), Borneo, *Pseudamathusia* n. sp., New Guinea, *Dicallaneura* sp. n. FRUHSTORFER (567), Obi, *Euplœa* n. sp. FRUHSTORFER (569), Engano, *Rhopalocera* list. FRUHSTORFER (570), New Guinea, *Calliplœa* sp. n. FRUHSTORFER (571), Celebes, *Elymnias* n. sp. FRUHSTORFER, Soc. ent. xix, p. 138, New Guinea, *Tenaris* n. sp. JORDAN (771), New Guinea. *Heterusia* sp. n. LATHY (860), Gilolo, *Cyrestis* sp. n. MABILLE (898), New Guinea, 3 n. spp., Celebes, 1 n. sp. PIEPERS & SNELLEN (1084), Java, *Lithosiidæ*, catalogue, 5 spp. n. PIEPERS & SNELLEN (1085), Java, *Syntomidæ*, 1 sp. n. ROTHSCHILD (1194), New Guinea, *Papilion.*, *Pier.*, *Erycin.*, *Nymphal.*, *Geometr.* spp. n. ROTHSCHILD (1195), New Guinea, *Sphingidæ*, 2 spp. n. ROTHSCHILD (1197), New Guinea, *Abisara* sp. n. ROTHSCHILD (1198), New Guinea, *Opodiphthera* n. sp. SHELFORD (1289), Borneo, *Rhopalocera* n. spp. SWINHOE (1361), Borneo, many spp. n., Celebes, *Eupterote* sp. n., Fergusson isld. *Agonis* sp. n. SWINHOE (1363), Philippines, *Eulype* sp. n. SWINHOE (1364), 13 spp. n. THIEME (1381), Nias isld., *Stictoplœa* sp. n. SNELLEN (1428), Java, *Tineidæ*, 3 spp. n. VAN DEVENTER (1429), Java, *Tineidæ*, 166 spp. n. WARREN (1476), *Geometridæ*, 7 spp. n., *Thyrid.* 2 spp. n.

Diptera. BEZZI (125), New Guinea, *Empidæ* spp. n. GILES (603), Philippines, *Culicidæ*, 8 spp. n. LUDLOW (891), Philippines, *Culicidæ* sp. n. LUDLOW (892), Philippines, *Culicidæ*, 2 spp. n. MEIJERE (934), Java, n. spp. MEIJERE (935), Aru and Halmaheira, *Halophilus* and *Pseudoformosia* n. sp. SPEISER (1328), New Guinea, *Olfersia*, 2 spp. n. SPEISER (1331), Java, Sumatra, New Guinea, *Hippoboscidæ*, 3 spp. n. STEIN (1343), Java, *Anthomyiidæ*, 10 spp. n.

Aphaniptera. ROTHSCHILD (1191), New Guinea, n. sp.

Hemiptera. BREDDIN (168), *Pentatomidæ*, 10 spp. n. BREDDIN (169), Buru, *Plisthenes* n. sp. DISTANT (387), Ternate, *Capsidæ* n. sp. DISTANT (389), Borneo, *Coreidæ* n. g. DISTANT (393), Borneo, *Cicada* sp. n., Sumbawa, *Cryptotympana* sp. n. HORVÁTH (714), *Colobathristinæ* spp. n., genn. n. HORVÁTH (718), New Guinea, *Micronecta* sp. n. KIRKALDY (813), Sumatra and Celebes, *Notonectidæ*, 2 spp. n. SCHMIDT (1228), Sumatra, *Flatides*, 16 spp. n., n. g. SCHMIDT (1229), *Flatides*, 8 n. spp.

Coccidæ. GREEN (622), Java, 4 spp. n.

Neuroptera. WEELE (1501), *Ascalaphidæ*, 4 spp. n.
Odonata. MARTIN (919), Java, *Macromia* n. sp.
Orthoptera. BURR (210), Borneo, *Forficulidæ* spp. n. CAUDELL (254), Philippines, *Forficulidæ* sp. n. KIRBY (804), Lombok, *Humbertiella* sp. n. KIRBY (805), Borneo, *Necroscia* n. sp., New Guinea, *Eurycnema* n. sp. NAVÁS (975), Philippines, 4 spp. n. REHN (1130), Sumatra and Obi, *Phasmidæ.* REHN (1133), Labuan, N. Borneo, *Erucius* and *Mazarredia* sp. n.

8. AUSTRALIA and TASMANIA. (For New Zealand see 2. Insular.)

Insecta. FROGGATT (562), *Micromus* n. sp., *Braconidæ* n. sp., *Cynipidæ* n. sp. GOUDIE & LEA, specially *Coleoptera*, Gippsland, pp. 51–56, Victorian Natural. xxi. KERSHAW, Victorian Natural. xx, pp. 122–125, Launching Place, short lists.

Coleoptera. BERNHAUER (108), *Oxytelus* n. spp., *Atheta* n. sp., *Zyras* n. sp. BLACKBURN (132), *Trox* revision, 6 spp. n. BLACKBURN (133), *Bolboceras* revision, spp. n. BLACKBURN (134), *Copridæ* spp. n. FAUVEL (485), *Staphylinidæ* n. spp. KERSHAW, Victorian Natural. xx, pp. 150, 151, Buffalo Mountains. LAMEERE (854), *Toxeutes* sp. n. LEA (561), *Cuculionidæ* n. g. LEA (863), Australia and Tasmania, *Cryptocephalides* revision, many n. spp. LEA (862), *Curculionidæ*, many spp. n. LEA (864), incl. Tasmania, *Staphyl.*, *Rhysod.*, *Cucuj.*, *Copr.*, *Rhipiph.*, *Oedemer.*, *Curcul.*, *Scolyt.*, *Chrysom.* n. spp. LEWIS (880), *Hister.* sp. n. OHAUS (990), *Anoplognathides* revision. PIC (1064), *Thaptor* n. sp. RAFFRAY (1114), Austr. and Tasm., *Pselaphidæ*, general work. RAINBOW (1116), Sydney, *Stigmodera* and *Horistonotus* sp. n. SLOANE (1310), Tropical Australia, *Cicidelidæ* 3, *Carabidæ* 5, spp. n. SLOANE (1311), *Carabinæ*, revision, n. spp.

Hymenoptera. CAMERON (240), *Pristaulacus* sp. n. COCKERELL (282), *Saropoda* sp. n., *Anthoglossa* sp. n. COCKERELL (283), *Halictinæ*, revision, n. spp. ENDERLEIN (458), Adelaide, n. g. *Thynnidæ.* KIEFFER (793), *Evaniidæ* spp. n. SZÉPLIGETI (1367), *Braconidæ* n. sp.

Lepidoptera. FRUHSTORFER (565), Queensland, *Tachyris* sp. n. LOWER (888), incl. Tasmania, *Tineidæ*, 33 spp. n. MABILLE (898), *Padraona*, *Ocybadistes* n. sp. MEYRICK (946), Australian *Gelechiides*, 207 n. spp., 39 n. genn. TURNER (1408), *Notodontidæ* and *Syntomidæ*, 9 spp. n. TURNER (1409), *Geometridæ*, revision. TURNER (1410), revision of *Thyrididæ*, 1 sp. n., *Pyralidæ*, many spp. n. TURNER (1411), *Bombyces Noctuidæ*, *Geometr.*, *Tineid.*, many spp. n. TURNER (1412), Austral. and Tasman., *Lymantriidæ*, 4 spp. n. WARREN (1476), *Geometridæ*, 3 spp. n., *Thyrid.*, 1 sp. n. WATERHOUSE (1493), *Hesperiidæ*, erroneously listed. WATERHOUSE (1494), *Heteronympha* sp. n. WATERHOUSE & TURNER (1495), *Lycænidæ*, doubtful species.

Diptera. BEZZI (125), *Empidæ* spp. n. COQUILLETT (314), W. Australia, *Tachina* n. sp. RAINBOW (1117), *Nycteribia* n. sp.

Aphaniptera. ROTHSCHILD (1191), n. spp.

Hemiptera. BERGROTH (105), Queensland and Tasmania, *Morbora* 2 spp. n. DISTANT (384), *Cicadidæ* sp. n. DISTANT (387), *Armachanus*, *Capsidæ*, n. sp. DISTANT (388), North Queensland, *Heteroptera*, genn. n., spp. n. DISTANT (391), Queensland, *Mononyx* sp. n. DISTANT (393), *Cicadidæ*, 3 spp. n. GODING & FROGGATT (613), Austral. and Tasman., monograph, *Cicadidæ*, 119 species. KIRKALDY (813), *Anisops*, 3 spp. n. SCHMIDT (1229), Queensland, *Flatides*, 3 spp. n. SCHOUTEDEN (1236), N. S. Wales, *Philia* n. sp.

Coccidæ. GREEN (625), *Chionaspis*, *Antonina* sp. n. GREEN (624), Victoria, 5 spp. n.

Neuroptera. KEMPNY (785), *Chrysopa* sp. n. FROGGATT (557), *Embiidæ*, 2 spp. n., *Croce* n. sp. WEELE (1501), N. W. Austral., *Acanthaclisis* sp. n.

Orthoptera. BOLÍVAR (147), Sydney, *Monistria* n. sp. KIRBY (805), *Phasmidæ*, 2 spp. n. REHN (1128), 3 spp. n. TEPPER (1370), S. Australia, *Blattidæ*, *Mantidæ*, *Acridiidæ*, *Gryllacris* n. spp.

9. NORTH AMERICA. For Bahamas and Bermudas see 11. Antilles.

Insecta. The Insects of Alaska, MERRIAM and others (940). Canada, various notes, Ottawa Natural. xvii, pp. 216–220. BEUTENMÜLLER (119), New York Galls. CURRIE (333), Kootenay, collecting trip. GODMAN (614). SCHAEFFER, S. Texas, peculiarities, J. N. York ent. Soc. xii, pp. 63, 64. SNOW (1325), Arizona, Collector's list. HEIDEMANN and others, Plummer's isld. Maryland, P. ent. Soc. Washington vi, pp. 22, 23.

Coleoptera. BERNHAUER (109), Michigan, *Trogophlœus* sp. n. BLANCHARD (135), California, *Dromæolus* n. sp. BRUES (188), Texas, *Ecitopora* sp. n. CASEY (248), *Staphylinidæ*, 2 n. genn., *Anthicidæ* n. genn., *Curculionidæ*, 3 spp. n. CHITTENDEN (263), *Sphenophorus*, 2 spp. n., and (264), 4 spp. n. CHITTENDEN (266), Arizona, *Latheticus* n. sp. CHITTENDEN (1498), Illinois, *Oberea* n. sp. COQUILLETT (317), Louisiana, *Culex* n. sp., Massachusetts, *Metriocnemus* n. sp., Canada, *Cuterebra* n. sp., *Bischofia* n. sp. DAVIS (353), New Jersey, *Neoclytus* sp. n. DURY Ohio, *Melasini*, 28 spp., Ent. News Philad. xv, p. 52. FELT & JOUTEL (495B), *Saperda*, mongraph, 1 sp. n. FUCHS, Tulare, trip, Ent. News Philad. xv, pp. 337–339. KNAUS, Sacramento Mts., list, Ent. News Philad. xv, pp. 152–157. LENG, N. Jersey, J. N. York ent. Soc. xii, p. 64. NEEDHAM, Beetle drift on Lake Michigan, Canad. Ent. xxxvi, pp. 294–296, and 335. PIC (1064), *Ptinus* sp. n. PIC (1068), *Ptinus*, 2 spp. n. PIERCE (1086), Nebraska, *Rhipiphorus*, *Myiodites*, *Stylops* n. spp. RAFFRAY (1114), *Pselaphidæ*, general work. SCHAEFFER (1220), Rio Grande, Florida etc., n. spp., n. genn. SCHWARZ (1262), Los Angeles, *Pseudoweisea* n. sp. SCHWARZ, Maryland, *Hormops*, P. ent. Soc. Washington vi, p. 11. SHERMAN, N. Carolina, *Cicindelidæ*, Ent. News Philad. xv, pp. 26–32, 112. SKINNER (1302), Arizona, *Meloidæ*, 3 spp. n. STEVENSON, Canada, *Aphodius erraticus*, Canad. Ent. xxxvi, p. 164.

Hymenoptera. ASHMEAD (42), *Siricidæ*, 4 spp. n. ASHMEAD (52), Utah, *Torymus* sp. n. BRADLEY (164), Oregon and Colorado, *Cratichneumon*, 2 spp. n. BRUES (190), *Proctotrypidæ*, 3 spp. n. BUYSSON (217), California, *Chrysis* n. sp. CAMERON (228), "N. Mexico," *Nysson* sp. n. COCKERELL (280), *Epeolus*, 6 spp. n. COCKERELL (281), New Mexico, Colorado, *Apidæ*, 5 spp. n. COCKERELL (284), California, *Anthophora* sp. n. COCKERELL (286), New Mexico, *Apidæ*, 3 spp. n. COCKERELL (289), New Mexico, *Apidæ*, 3 spp. n. COCKERELL (291), Southern U. S., *Apidæ* spp. n. COCKERELL (292), Colorado, *Nomada*, 13 spp. n. COCKERELL (293), S. California, *Apidæ*, sp. n. COCKERELL, New Mexico, bees, Ent. News Philad. xv, p. 171. CRAWFORD (327), New Jersey, *Halictus*, 2 spp. n. FELT (495A), New York and Colorado, *Ophionini*, 4 spp. n. FOREL (529), British Columbia, *Formicidæ* varr. n. FOREL (530), Texas, *Acanthostichus* sp. n. FYLES (574), Quebec, *Torymus* n. sp. FYLES (575), *Amesolytus* sp. n. GRAENICHER (619), Wisconsin, *Andrena*, 3 spp. n. KIEFFER (793), *Proctotrypidæ* and *Evaniidæ* spp. n. KONOW (838), Texas, *Periclista* n. sp. ROBERTSON (1182), *Apidæ*, 3 spp. n. SWENK (1358), Nebraska, *Colletes* sp. n. TITUS (1389), Illinois, n. g. *Osmiinæ*. TITUS (1390), *Osmiinæ*, 7 spp. n. VACHAL (1424), *Halictus*, 14 spp. n. VIERECK

(1445), *Odontophotopsis*, 11 spp. n. VIERECK (1446), *Fossoria*, 10 spp. n. VIERECK (1447), *Parnopes*, 7 spp. n. VIERECK (1448), New Jersey, *Perdita*, 2 spp. n. VIERECK (1449), Arizona, *Tachysphex* n. sp. VIERECK (1450), Delaware, *Apidæ* n. g. VIERECK (1451), Nevada, *Apidæ* n. g VIERECK (1452), Wisconsin, *Habrocryptus* sp. n. VIERECK (1453), Pennsylvania, *Ammoplanus* sp. n. VIERECK and others (1454), Oregon, British Columbia etc., *Apidæ*, synopsis with spp. n. VIERECK & COCKERELL (1455), New Mexico, *Philanthidæ*, 3 spp. n. VIERECK, Vancouver, *Thyreopus latipes*, Canad. Ent. xxxvi, p. 51. WHEELER (1518), Utah and Colorado, *Formicidæ*, 4 spp. n. WHEELER (1519), Texas, *Colobopsis* n. sp. WHEELER (1520), Catalina isld., 8 spp. WHEELER (1521), North Carolina, 61 spp. WHEELER (1522), Colorado, *Formica* n. sp.

Lepidoptera. Distribution of *Sphingidæ*, WEBSTER (1500).

ANDERSON (26), British Columbia, catalogue. ASHMEAD (45), New York, *Thymaris* sp. n. BARNES (88), chiefly Texas and Arizona, many spp. n. BRIMLEY, N. Carolina, *Sphingidæ*, *Saturn.*, *Ceratocamp.*, Ent. News Philad. xv, pp. 120–126. BUSCK (203), British Columbia, *Tineidæ*, 34 spp. n., n. g. BUSCK (204), Arizona, *Tineidæ* n. g. BUSCK (205), Colorado, *Ethmia* sp. n. DOD, Alberta, list (continued from 1901) Canad. Ent. xxxvi, pp. 345–355. DOLL, Brownsville, short list, J. N. York ent. Soc. xii, pp. 126, 127. DYAR (420), British Columbia, long catalogue, 14 spp. n. DYAR (422), *Rhopalocera*, *Bombyc.*, *Noct.* n. spp. DYAR (424), United States, *Pyralidæ*, 9 spp. n. DYAR (427), British Columbia, *Diacrisia* sp. n. DYAR (430), *Tortricidæ* n. g. DYAR (431), *Noctuidæ*, *Notodontidæ*, 5 spp. n. DYAR (432), *Sesiidæ*, *Cochlidiidæ*, *Noctuidæ*, *Geometridæ*, *Pyralidæ*. DYAR (433), Mackenzie, *Oeneis* n. sp. DYAR (435), *Illice*, 4 spp. n. DYAR (436), North Carolina, *Lactilia* n. sp. DYAR (437), Rhode isld., *Ancylis* n. sp. DYAR (438), *Scoparia*, 4 spp. n. DYAR (439), British Columbia, *Noctuidæ*, 8 spp. n. FERNALD (497), Ohio, n. g. *Choreutinæ*. FIELD, New Hampshire, *Eurema lisa*, Psyche xi, p. 102. FLETCHER (515), Canada, *Phyciodes*, *Thecla*, *Pamphila* sp. n. FLETCHER (516), Canada, *Rhopalocera*, 3 spp. n. FYLES (576), Quebec, *Trichotaphe* n. sp. GIBSON, Meech Lake, Quebec, Ottawa Natural. xvii, pp. 204–206 GRINNELL (634), California, *Thanaos* sp. n. HEATH, Manitoba, supplementary list, Canad. Ent. xxxvi, pp. 269–272. KEARFOTT (776), British Columbia, *Tortricidæ*, 7 spp. n. KEARFOTT (777), Assinaboia, *Proteopteryx* sp. n. NEWCOMB, Michigan, *Rhopalocera* in 1903, Ent. News Philad. xv, pp. 204–206. NEWCOMB, Michigan, *Cocytius cluentius*, Ent. News Philad. xv, p. 345. SKINNER (1303), Brit. Columbia, *Thecla* sp. n. SMITH (1313), *Noctuidæ*, Calgary, 7 spp. n. SMITH (1314), U. S., Canada etc., *Noctuidæ*, 12 spp. n., n. g. TAYLOR (1369), Vancouver, *Ennominæ* n. g. WARREN (1474), Colorado, *Lampropteryx* and *Caripeta* n. spp. WARREN (1477), Colorado, Oregon, *Geometridæ*, 7 spp. n.

Diptera. ADAMS (2), 27 spp. n. ADAMS (9), Colorado and Texas *Siphonella*, 2 spp. n. BACK (73), *Asilidæ*, 6 spp. n. BEZZI (128), *Dipterous* galls in N. America, historical, statistical. BRIMLEY & SHERMAN, List of the *Tabanidæ* (Horse-flies) of North Carolina, Ent. News Philad. xv, pp. 270–275, correction, t. c. p. 302. BRITTON (183), Connecticut, *Culicidæ*. COCKERELL (287), Colorado and New Mexico, *Cecid.*, 3 spp. n. COQUILLETT (313), Georgia, *Chlorops* n. sp. COQUILLETT (315), 52 spp. n., n. genn. COQUILLETT (316), New Jersey, *Culex* sp. n. COQUILLETT (318), Southern Texas, 9 spp. n. DYAR (426), *Culex* n. sp. DYAR (429), British Columbia, *Culicidæ*. FELT (495), N. York, *Culicidæ*, 9 spp. n. FELT & YOUNG (496), United States, *Culex*, 4 spp. n. GILLETTE (605), Colorado, *Pegomyia* n. sp. GROSSBECK (637), New Jersey, *Culex* sp. n. GROSSBECK (638), New Jersey, *Culex*, 2 spp. n. HERRICK, *Grabhamia jamaicensis*, Ent. News Philad. xv, p. 81. HINE (688), British

Columbia, list with 2 spp. n.; OSBURN (1003), British Columbia, *Syrphidæ* list. HINE (689), N. Carolina, *Chrysops*, 2 spp. n. HINE (690), Texas and Louisiana, *Ephydridæ*, 2 spp. n. HINE (691), *Tabanidæ*, 7 n. spp. JOHNSON (765), U. S. and Canada, 4 spp. n. JOHNSON, supplementary list of the *Diptera* of New Jersey, Ent. News Philad. xv, pp. 157–163. MELANDER (936), *Stratiomyidæ* list with *Macrosargus* sp. n. MCCRACKEN (931), California, *Anopheles* sp. n. SLINGERLAND & JOHNSON (1309), California, *Cecidomyia* n. sp. STEIN (1342), U. S. incl. Sitka, *Anthomyiidæ* n. spp. WHITNEY (1525), *Tabanidæ*, 4 spp. n.

Aphaniptera. BAKER (76), spp. n. ROTHSCHILD (1191), Brit. Columbia, Canada, 5 spp. n.

Hemiptera. ASHMEAD (54), Alaska, *Jassidæ*, 3 spp. n., *Psyllidæ*,4 spp. n. BUENO (197), New York, *Heteroptera*, list. BUENO, Brit. Columbia, *Notonecta lutea*, Ent. News Philad. 1904, p. 220. BUENO, *Notonecta lutea*, Ent. News Philad. p. 220. BUENO, North American *Notonecta*, p. 62, J. N. York ent. Soc. xii. HEIDEMANN (670), *Aradidæ*, 2 spp. n. HEIDEMANN (671), *Aradidæ*, 3 spp. n. HEIDEMANN, North Carolina, *Schumannia*, P. ent. Soc. Washington vi, p. 12. OSBORN, Ohio Natural. iv, pp. 99–103; a further contribution to the Hemipterous fauna of Ohio. SCHOUTEDEN (1236), Colorado, n. g. *Scutellerides*. SCHWARZ (1263), *Psyllidæ*, 7 spp. n. SWEZEY (1360), *Fulgoridæ*, catalogue. UHLER (1416), Las Vegas, 8 spp. n. *Lygæidæ*, *Capsidæ*, *Ceratocombidæ*. VAN DUZEE (1430), *Pentatomidæ*, Cat., 12 spp. n., n. g. WIRTNER (1535), Pennsylvania, Catalogue.

Aphidæ. COCKERELL (288), New Mexico, *Cladobius* sp. n. PERGANDE (1023), *Phylloxera*, many spp. n. PERGANDE (1024), U. S., *Macrosiphum* n. sp.

Aleyrodidæ. BEMIS (99), California, *Aleyrodidæ*, 19 spp. n.

Coccidæ. SANDERS (1207), Ohio, 3 spp. n. SANDERS (1208), Ohio, monograph.

Neuroptera. BANKS (87), *Neuropt.* except *Odonata*, n. spp. *Psocidæ* and *Trichoptera*. BANKS (85), British Columbia, *Trichoptera*, 2 spp. n. BANKS (84), Washington, *Hydroptilidæ*, 2 spp. n. BANKS (82), New Mexico, *Trichoptera*, 7 spp. n. CURRIE (334), Arizona and California, *Hemerobius*, 2 spp. n. CURRIE (335), Kootenay, *Hemerobiidæ*, 5 spp. n. BANKS (82), New Mexico, *Hemerobius* sp. n., *Brachynemurus* sp. n. BANKS (81), *Hemerobius*, 5 spp. n. BANKS (82), New Mexico, *Psocus* sp. n. BANKS (82), N. Mexico, *Perlidæ*, 2 spp. n.

Odonata. BRIMLEY & SHERMAN, N. Carolina, list, Ent. News Philad. xv, pp. 100–102. WILLIAMSON, West Pennsylvania, additions, Ent. News Philad. xv, pp. 277, 278.

Thysanoptera. DANIEL (350), California, 4 spp. n.

Orthoptera. BRITTON, New England, *Eritettix* and *Conocephalus*, Psyche xi, p. 23. BRUNER (195), Colorado. CAUDELL (251), Florida and Galveston, *Phasmidæ*, 2 novelties. CAUDELL, British Columbia, list and notes, Ent. News Philad. xvi, pp. 62, 63. CAUDELL, Assiniboia, short list, Canad. Ent. xxxvi, p. 248. GILLETTE (606), Colorado, list. BRUNER (605), Colorado, n. spp. MEAD, Ohio Natural. iv, pp. 109–112; a list of the *Orthoptera* of Ohio. MORSE (962), Southeast. U. S., *Acridiidæ*, 14 spp. n. REHN (1132), New Mexico etc., *Acridiidæ*, 2 spp. n., *Locustidæ* sp. n. REHN & HEBARD (1134), Georgia and Florida, *Ceuthophilus* sp. n. REHN (1135), Texas, *Kakerlac* sp. n. REHN (1138), S. Carolina, *Chorisoneura* n. sp. REHN (1137), New Jersey, *Melanoplus* sp. n. REHN (1139), *Stenopelmatinæ*, 2 spp. n. REHN, notes on the *Orthoptera* of the Keweenaw Bay region of Baraga County, Michigan, Ent. News Philad. xv, pp. 229–237, 263–269. REHN, notes and records of New Jersey *Orthoptera*, Ent. News Philad. xv, pp. 325–332. SCUDDER & COCKERELL (1267), Nex Mexico, *Blattidæ*, *Phasmid.*,

Acrid., *Locust.*, *Gryll.*, spp. n. WALKER (1465), Ontario, *Gryllidæ*, 2 spp. n. WALKER (1466), Ontario, *Locustidæ*, annotated list.

10. CENTRAL AMERICA (MEXICO to PANAMA incl.).

Insecta. GODMAN (614).

Coleoptera. BATES (92), Costa Rica, *Plusiotis* n. sp. BERNHAUER (108), *Eleusis*, *Xantholinus* sp. n. CASEY (248), Mexico, *Dinocleus* sp. n., *Anthicid.* n. sp. JACOBY (748), Mexico, Costa Rica, Panama, *Halticinæ*, 6 spp. n. JACOBY (748), Costa Rica, *Chlamys* n. sp. JACOBY (749), Mexico, *Chlamys* n. sp. JORDAN (769), Mexico, Costa Rica, Nicaragua, *Anthribidæ* spp. n. LAMEERE (854), Mexico, *Callipogon* sp. n. OHAUS (991), Costa Rica, *Anoplognathides*, 2 spp. n. PIC (1052), Mexico, *Cathorama* sp. n. PIC (1064), Mexico, *Ptinidæ*, 2 spp. n. PORTEVIN (1100), Mexico, *Silphidæ*, novelties. RAFFRAY (1114), *Pselaphidæ*, general work. SCHAEFFER (1220), Rio Grande and Lower California, n. spp. STERNBERG (1344), Panama, *Aegopsis* sp. n. WATERHOUSE (1491), Mexico, *Polycesta*, 2 spp. n. WEISE (1503), Costa Rica, *Cassididæ*, 2 spp. n. WEISE (1504), Panama, Mexico, *Hispidæ*, 2 spp. n.

Hymenoptera. BUYSSON (217), Mexico, *Parnopes* n. sp. CAMERON (228), Panama, n. g. *Masaridæ*, *Paratiphia* sp. n., *Polistomorpha* sp. n. COCKERELL (280), Vera Cruz, *Triepeolus* sp. n. COCKERELL (281), Mexico, *Xylocopa* sp. n. COCKERELL (282), Mexico, *Macrotera* n. sp. COCKERELL (286), Mexico, *Trypetes carinatum.* FRIESE (550), Costa Rica, *Centris* n. sp. FOREL (526), Costa Rica, *Azteca* n. sp. KIEFFER (793), *Proctotrypidæ* n. sp. KIEFFER (794), Nicaragua, *Proctotrypidæ*, 4 spp. n. KONOW (838), Costa Rica, Mexico, *Labidarge*, *Ptilia*, 4 spp. n. SWENK (1357), Costa Rica, *Colletes*, 2 spp. n. SZÉPLIGETI (1366), Mexico, *Trogus* n. sp. TITUS (1389), Costa Rica, *Heriades* sp. n. VACHAL (1424), Mexico, *Halictus*, 26 spp. n. VACHAL (1426), *Halictus* n. spp.

Lepidoptera. DOGNIN (398), Costa Rica, San Salvador, *Notodontidæ*, 2 spp. n., *Eugiviria* sp. n., *Coptotelia* sp. n. DRUCE (406), Yucatan, *Adelocephala* sp. n., Costa Rica, *Maschane* sp. n. DYAR (422), Mexico, *Apatelodes* n. sp. DYAR (431), Mexico, *Afilia* n. sp. MABILLE (898), Chiriqui, *Thracides* n. sp. SCHAUS (1225), *Syntomidæ*, *Notodontidæ*, *Noctuidæ*, *Chrysauguinæ* spp. n. WARREN (1474), Mexico, Costa Rica, *Geometridæ* n. spp. WARREN (1477), Mexico, Costa Rica.

Diptera. COQUILLETT (313), Nicaragua, Guatemala, Mexico, 17 spp. n. COQUILLETT (315), Mexico, Nicaragua and Panama, 5 spp. n. COQUILLETT (317), Mexico, *Conchyliastes* n. sp. HINE (691), Mexico, *Tabanus*, 2 spp. n. RICARDO (1172), British Honduras, *Dichelacera* n. sp. SPEISER (1328), Honduras, *Ornithopertha* n. sp.

Hemiptera. BREDDIN (166), Guatemala, *Lycambes* n. sp. BREDDIN (171), *Podisus* n. sp. DISTANT (393), *Cicadidæ* n. g. SCHMIDT (1229), Panama, *Ormenis* n. sp.

Termitidæ. DESNEUX (372), Mexico, *Termes* sp. n.

Mallophaga. CARRIKER (247), Costa Rica, 35 spp. n.

Odonata. CALVERT (220), Costa Rica, *Thaumatoneura* sp. n.

Orthoptera. BURR (201), Mexico, *Sparatta*, Darien, *Carcinophora* sp. n. REHN (1129), Mexico and Costa Rica, 4 spp. n. REHN (1130), Costa Rica, Nicaragua, *Phasmidæ* n. spp. REHN (1131), Mexico, *Phasmidæ*, *Arsid.*, *Locust.*, Gryll. n. spp. REHN (1136), Nicaragua, *Stagmatoptera* sp. n. SCUDDER & COCKERELL (1267), Mexico, *Æoloplus* sp. n.

11. Antilles, including Bermudas, Bahamas, Barbados.

Insecta. Clark (278), Godman (614). West India *Col.* and *Hemiptera*, Uhler, Schwarz and others, pp. 42–46, P. ent. Soc. Washington vi.

Coleoptera. Arrow (39), Jamaica, St. Vincent etc., *Chœrostus* 2 spp. n. Bernhauer (108), St. Thomas, *Leptacinus* n. sp. Bernhauer (109), St. Thomas, *Osorius* sp. n., Grenada, *Trogophlœus* sp. n. Fauvel (485), St. Domingo, *Oxytelus* n. sp. Lameere (854), Porto Rico, *Callipogon* sp. n. Raffray (1114), *Pselaphidæ*, general work. Waterhouse (1491), Jamaica, St. Domingo, *Polycesta*, 2 spp. n.

Lepidoptera. Hampson (653), Bahamas, *Phalænæ* spp. n., gen. n. Lathy (861), Dominica, list, 3 spp. n. Schaus (1225), Cuba, *Syntomidæ*, *Arctiidæ*, *Hipsidæ*, *Megalopygidæ*, *Notodontidæ*, Jamaica, *Hypena* sp. n., Grenada, *Anisothrix* sp. n. Warren (1474), Jamaica, *Geometridæ* n. spp. Warren (1477).

Diptera. Adams (9), Grenada, *Siphonella* sp. n. Giles (604), Antigua, *Culicidæ*, 3 spp. n. Johnson, C. W., A revised list of the *Diptera* of Bermuda, 50 spp., Psyche xi, pp. 76–80. Pazos, J.-H., Liste de moustiques de Cuba, Bull. Soc. ent. France 1904, p. 134.

Hemiptera. Distant (391), Grenada and St. Vincent, *Capsidæ*, 3 spp. n.

Orthoptera. Burr (201), Granada, *Diplatys*, Martinique, *Carcinophora* sp. n. Rehn (1130), Swan island and Porto Rico, *Phasmidæ*, 2 spp. n.

12. South America, including Trinidad.

Insecta. Brèthes (175), Tucuman, *Cyclocephala*, 2 spp. n., *Iphiaulax* sp. n., *Asilidæ*, *Syrphidæ* and *Euxesta* n. spp., *Jassus* n. sp. Godman (614). Falkland Islands, see Insular, Vallentin.

Coleoptera. Arrow (38), Colombia, Patagonia, *Ægidium*, *Ochodæus*, 4 spp. n. Aurivillius (58), Bolivia and Argentina, *Cerambycidæ*, 4 spp. n. Bates (92), *Pelidnotinæ*, revision, n. spp. Bernhauer (108), *Staphylinidæ*, 12 spp. n. Bernhauer (109), Brazil, *Trogophlœus*, 2 spp. n. Boileau (143), *Sphenognathus* 2 spp. n. Bourgeois (161), *Malacodermidæ*, 3 spp. n. Fairmaire (476), *Cladotoma* sp. n., *Tenebrionidæ*, 7 spp. n., n. g. Fairmaire (478), Brazil, *Cladotoma*, 2 spp. n., *Ancholæmus* sp. n. Fauvel (485), *Oxytelus* n. spp. Fauvel (488), Brazil, *Staphylinidæ* genn. and spp. n. Fauvel, Rev. Ent. franc. 1904, p. 140, *Luciola*, 2 spp. Hagedorn (651) *Coccotrypes* sp. n. Heller (675), Brazil, *Zygopides*, 4 spp. n. Jacoby (742), Bolivia and Argentina, *Chrysomelidæ*, 9 spp. n. Jacoby (746), *Halticinæ*, 27 spp. n. Jacoby (747), *Mastostethus*, 10 spp. n. Jacoby (748), *Chlamys*, 7 spp. n. Jacoby (749), Venezuela, *Chlamys* n. sp. Jordan (769), *Anthribidæ*, many spp. n. and genn. n. Lameere (854), Peru, *Callipogon* sp. n. Lewis (880), *Histeridæ*, 6 spp. n., gen. n. Ohaus (991), *Anoplognathides*, 23 spp. n. Pic (1052), *Cathorama*, 9 spp. n. Pic (1053), Guiana, *Anthicus* n. sp. Pic (1054), Peru, *Notoxus* n. sp. Pic (1057), Buenos Ayres, *Anthicus* n. sp. Pic (1064), Peru, Chili etc., *Ptinidæ*, 8 spp. n. Pic (1066), Brazil, *Malacoderm.* 2 spp. n. Pic (1067), Brazil, *Eupactus*, 6 spp. n. Pic (1070), Brazil, *Anthicus*, 6 spp. n. Portevin (1100), Guiana, *Dissochætus* sp. n. Raffray (1114), *Pselaphidæ*, general work. Régimbart (1124), Venezuela and Guiana, *Dytiscidæ*, 2 spp. n., *Gyrinidæ* sp. n. Schwarz (1265), *Elateridæ*, 40 spp. n. Sternberg (1344), *Ægopsis* 4 spp. n. Théry (1377), Peru, *Buprest.* sp. n. Waterhouse (1491), Brazil, *Achèrusia*, 2 spp. n. Weise (1503), *Cassididæ*, 3 spp. n. Adams (10), *Chlorops*, 5 spp. n. Weise (1504), *Hispidæ*, many spp. n. Weise (1507), *Cassididæ*, *Hispidæ*, 14 spp. n., gen. n.

Hymenoptera. André (29), Chile, *Mutillidæ*, *Thynnidæ*, 5 spp. n. Ashmead (41), *Chalcididæ* of S. America, Catalogue, many genn. n. and

spp. n. BRÈTHES (176), Brazil, 1 sp. n., Argentina list. BRÈTHES (177), Argentina, *Meteorus* n. sp. BRÈTHES (178), La Plata, monograph of *Eumenidæ*, many spp. n. BRÈTHES (179), Patagonia, *Anthidium* sp. n. BRÈTHES (180), Argentina, *Trimeria* sp. n. BRÈTHES (181), Buenos Aires, *Oxybelus* n. sp. DU BUYSSON (217), *Chrysid.*, 5 spp. n. DU BUYSSON (219), *Parachartergus* sp. n., *Sapyga* sp. n. CRAWFORD (326), Bolivia, *Diphaglossa* sp. n. DUCKE (411), social *Vespidæ* n. spp. DUCKE (412), Parà, *Chrysid.*, with *Chrysogona* sp. n. DUCKE (413), Brazil, *Sphegides*, 5 spp. n. DUCKE (414), Lower Amazons, *Eumenidæ*, 6 spp. n. DUCKE (415), Amazons, *Centris*, 2 spp. n. FOREL (526), Peru and Amazons, *Formicidæ*, 14 n. spp., Chile, 2 spp. n. FOREL (528), Patagonia, Chile, 3 spp. n. FOREL (530), *Formicidæ*, 4 spp. n. FOREL (532), Brazil, *Formicidæ*, 5 spp. n. FOREL (532), Chile, *Tapinoma* n. sp. FRIESE (542), S. Am. incl. of Chile, *Caupolicana* and *Ptiloglossa* n. spp. FRIESE (543), Brazil and Ecuador, *Ancyloscelis*, 3 spp. n. FRIESE (545), Chile, Peru, Ecuador, *Apidæ*, 10 spp. n. FRIESE (547), Chile, *Anthidium* sp. n. FRIESE (550), Brazil and Chili, *Centris*, 2 spp. n. HOLMBERG (697), *Apidæ*, *Fossoria*, many spp. n., genn. n., *Tenthredinidæ* list. KIEFFER (793), *Proctotrypidæ* and *Evaniidæ* spp. n. KIEFFER (794), incl. Patagonia, *Proctotrypidæ*, 8 spp. n. KIEFFER (796), Chile, *Pseudochalcura* n. sp. KIEFFER (797), Chile, *Cynipidæ* n. g. KIEFFER (798), Chile, *Proctotrypides*, 3 spp. n. KONOW (838), 7 spp. n., *Labidarge* and *Waldheimia*. PORTER (1099), Chile, *Vespidæ* list. SCHROTTKY (1245), Paraguay, Census, 1 n. sp., *Apidæ*. SCHULTHESS-RECHBERG (1246), *Nortonia*, 4 spp. n. SCHULTZ (1253), Amazons, *Aculeata*, 3 spp. n. SZÉPLIGETI (1365), *Braconidæ*, many spp. n. SZÉPLIGETI (1366), Peru, *Iphiaulax* n. sp. SZÉPLIGETI (1367), *Braconidæ* n. sp. VACHAL (1424), S. Am., incl. Chili, *Halictus*, 5 spp. n. VACHAL (1425), Tucuman, *Apidæ*, 62 spp., 39 spp. n. VACHAL (1426), *Halictus* n. spp VACHAL (1427), Ecuador, *Halictus*, 3 spp. n., *Sphecodes* sp. n.

Lepidoptera. DANNANT (351), Venezuela, *Chlorippe*, Guiana, *Monethe* n. sp. DOGNIN (398), Northern S. Am., *Ischnocampa* sp. n., *Notodontidæ*, 6 spp. n., *Geometridæ*, 8 spp. n., *Eugiviria*, sp. n., *Pyralidæ*, 22 spp. n., *Tortricidæ*, 4 spp. n., *Cryptolechia* sp. n. DOGNIN (399), *Geometridæ* and *Lithosiidæ*, 23 spp. n. DOGNIN (400, 401), Peru, *Anaxita* sp. n. DRUCE (405), *Erycinidæ*, 23 spp. n. DRUCE (406), Tropical S. Amer., *Syntomidæ*, *Arctiidæ*, *Ceratocampidæ*, *Saturniidæ*, *Lasiocampidæ*, *Bombycidæ*, *Notodontidæ* spp. n. EHRMAN (447), Venezuela, *Papilio* sp. n. GUPPY, P. Inst. Trinidad, pt. 3, p. 167, Trinidad, *Metamorpha dido*, etc. JOANNIS (763), Organ mountains, *Lycomorphodes* and *Eriopyga* sp. n. KAYE (775), Trinidad, *Rhopalocera* catalogue, 289 spp., 10 spp. n. LATHY (859), *Erycinidæ*, 10 spp. n. MABILLE (898), *Hesperiidæ*, 9 spp. n. OBERTHÜR (989), Bolivia, *Sphingidæ* sp. n. RÖBER (1179), Peru, *Mechanitis* n. sp., *Lymnas* n. sp. RÖBER (1180), Colombia and Ecuador, *Caligo*, 3 spp. n. ROTHSCHILD (1195), Peru, *Sphingidæ*, 3 spp. n. ROTHSCHILD, W. (1198), Tucuman, *Rothschildia* n. sp. SANDERS (1206), Brazil, Burchells 1825–1830, *Rhopalocera*. SCHAUS (1225), *Syntomidæ*, *Arctiidæ*, *Megalopygidæ*, *Liparidæ*, *Lasiocampidæ*, *Saturniidæ*, *Ceratocampidæ*, *Perophoridæ*, *Cossidæ*, *Notodontidæ*, *Noctuidæ*, *Chrysangiuæ*. STICHEL (1348), *Narope*, 2 spp. n., *Caligo* n. sp. THIEME (1379), Andes, *Rhopalocera*, 4 spp. n. THIEME (1380), Ecuador, Bolivia, *Lymanopoda*, 2 spp. n. THIERRY-MIEG (1385), Peru, *Callipia*, *Stamnodes*, *Synneuria* and *Marmopteryx* sp. n., and *Geometridæ* spp. n. WARREN (1474), *Thyrididæ*, 2 n. spp., *Epiplem.*, 18 n. spp., *Geometridæ*, about 300 n. spp., n. genn. WARREN (1477), *Sicuiodes*, 2 spp. n., *Epiplem.* spp. n., *Geometridæ*, many spp. n.

Diptera. BISCHOF (130), *Tachinidæ*, 13 spp. n. COQUILLETT (319);

Brazil, *Ceratopogon* sp. n. REED (1123), Chile, *Ornithomyia* n. sp. SPEISER (1328), Rio Grande do Sul, *Stilbometopa* n. sp. STEIN (1342), *Anthomyiidæ*, numerous n. spp.

Aphaniptera. BAKER (76), Brazil, *Pulex*, 2 spp. n. ROTHSCHILD, N. C. (1191), n. spp. ROTHSCHILD (1193), Paraguay, *Ceratopsylla* n. sp.

Hemiptera. BERGROTH (105), Brazil, *Scutellerides*, 2 spp. n. BREDDIN (165); *Edessa*, 13 spp. n. BREDDIN (170), Bolivia, *Colobasiastes* sp. n. BREDDIN (171), *Heteroptera*, many spp. n., n. g. BREDDIN (172), Ecuador, *Tomaspis*, 8 spp. n. DISTANT (387), Northern S. Amer. *Horcias*, 3 spp. n. DISTANT (393), Bolivia, *Cicada* sp. n. HORVÁTH (714), *Colobathristinæ* n. spp. JACOBI (734), *Pœciloptera*, 2 spp. n. JACOBI (736), Brazil, *Cicadidæ* and *Fulgoridæ*, 6 spp. n. KIRKALDY (813), *Notonectidæ*, 2 spp. n. OSBORN (1001), Bolivia and Guiana, 5 spp. n. SCHMIDT (1229), *Flatides*, 8 spp. n. SCHOUTEDEN (1236), *Scutellerides*, 3 spp. n.

Aphidæ. SCHOUTEDEN (1240), *Aphidæ* of S. Amer., 1 sp. n.

Trichoptera. ULMER (1422), Patagonia and Chile, n. spp.

Perlidæ. KLAPÁLEK (818), Patagonia, Peru, *Gripopteryx*, 2 spp. n.

Termitidæ. DESNEUX (369), Surinam, *Rhinotermes* sp. n. DESNEUX (372), *Calotermes* sp. n., *Termes* sp. n.

Ephemeridæ. ULMER (1422), Patagonia, notes.

Odonata. NEEDHAM (978), Brazil, *Micrathyria*, sp. n. RIS (1176), Patagonia and Chili list, distribution; Buenos Aires, 2 spp. n.

Orthoptera. BORELLI (153, 154), Ecuador, Argentina, Paraguay, *Forfic.* 3 spp. n. BURR (201), Guiana *Forcipula*, Ecuador *Labia*, Darien *Spongiphora* sp. n. CAUDELL (255), Paraguay, *Forficul.* and *Phasmid.* spp. n. KIRBY (804), Parà, *Photina* sp. n. KIRBY (805), S. Amer. incl. Trinidad, *Phasmidæ*, 6 spp. n., gen. n. LYNCH ARRIBÁLZAGA (897), Peru, *Schistocerca* sp. n. MJÖBERG (950), *Anisolabis* n. sp. from Matto Grosso, in Sweden. REHN (1129), Bolivia, *Paracanthops cœlebs.* REHN (1133), Brazil, Brit. Guiana, Chile, *Acridiidæ*, 5 spp. n.

PALÆO-ENTOMOLOGY.

Palæozoic insects of Belgium, HANDLIRSCH, Mem. Mus. Belgique iii, 20 pp., vii pls.

Palæozoic Insects and their relations to plants, HANDLIRSCH (659).

Palæoblattina douvillei, is part of a Trilobite, AGNUS, Rev. Sci. Bourbonnais xvii, p. 85.

Diptera.

Culicidæ. Corethra ciliata, Baltic amber, MEUNIER, p. 89, Bull. Soc. ent. France 1904, **n. sp.**

MEUNIER, monographs the *Cecidomyiidæ*, *Mycetophilidæ* and *Chironomidæ* found in amber, describing the following n. genn. and n. spp.

Bryocrypta, *Cecidomyiidæ* (? **n. g.**), *girafa*, p. 25, *capitosa*, p. 26, *vetusta*, *elegantula*, p. 27, *fagioides*, **n. spp.**, p. 28, Ann. Soc. Bruxelles, xxviii.

Palæocolpodia (? **n. g.**), *eocenica* **n. sp.**, p. 29.

Colpodia xylophaga, p. 30, *curvinervis*, p. 31, *brevicornis*, p. 32, **n. spp.**

Dicroneurus magnificus, p. 32, *elegantulus*, p. 33, **n. spp.**

Epidosis gibbosa, p. 33, *minuta*, p. 34, *noduliformis*, *titania*, p. 35, **n. spp.**

Camptomyia sinuosa, p. 36, **n. sp.**

Winnertzia radiata, p. 36, *cylindrica*, p. 37, *affinis separata*, p. 38, **n. spp.**

Monardia submonilifera, p. 39, **n. sp.**

Campylomyza crassitarsis, p. 40, **n. sp.**

Lestremia pinites, p. 42, **n. sp.**

Frirenia eocenica, p. 43, **n. sp.**

Heteropeza pulchella, p. 43, **n. sp.**

Ledomyiella **n. g.** ?, p. 44, *L. succini*, *rotundata*, p. 45, *eocenica*, *pygmæa*, p. 46, *crassipes*, p. 47, **n. spp.**
Sciaridæ. Palæoheterotricha **n. g.** *P. grandis* **n. sp.**, p. 62, *Sciara splendida*, p. 64, *errans*, *villosa*, p. 65, *botuli*, p. 66, *sendelina*, p. 67, *difficilis*, p. 68, *verticillata*, *variabilis*, p. 69, *eocenica*, *diabolica*, p. 71, *orientalis*, p. 72, *rara*, *bella*, p. 73, *ignorata*, *preciosa*, p. 74, *klebsii*, p. 75, *prolifica*, p. 76, *rubsaamenia*, *tertiaria*, p. 77, *robusta*, *morosa*, p. 78, *palmnickii*, *minuscula*, p. 79, *villosoides*, p. 80, *defectuosa*, p. 89, **n. spp.**
Bradysia curiosa, p. 80, *electra*, *morosoïdes*, p. 81, *infernalis*, *agilis*, p. 82, *umbrosa*, p. 83, **n. spp.**
Corynoptera dubia, p. 84, **n. sp.**
Willistoniella **n. g.** *W. magnifica*, p. 85, **n. sp.**
Heeriella **n. g.** *bifurcata*, **n. sp.**, p. 86.
Cerato **n. g.** *C. longipalpis* **n. sp.**, p. 86.
Palæognoriste **n. g.**, p. 87, *P. sciariforme*, p. 88, **n. sp.**
Sciarella **n. g.** *S. mycetophiliformis* **n. sp.**, p. 89.

Helomyza major, p. 22, *media*, *minuta*, p. 24, Baltic amber, MEUNIER, Feuille Natural. xxxv, **n. spp.**
Leria alacris, *sapromyzoïdes*, Baltic amber, MEUNIER, p. 25, Feuille Natural. xxxv, **n. spp.**
Heteromyza dubia, Baltic amber, MEUNIER, p. 25, Feuille Natural. xxxv, **n. sp.**
Palæoheteromyza **n. g.**
P. crassicornis **n. sp.**, Baltic amber, MEUNIER, p. 26, Feuille Natural. xxxv.
HANDLIRSCH describes the following from the Permian, Russia.
Palæohemiptera, n. group, for 2 genn. viz., *Presbole* **n. g.** *hirsuta* **n. sp.**, HANDLIRSCH, p. 2, Mem. Ac. St. Petersb. (viii) xvi, No. 5.
Scytinoptera **n. g.** *kokeni* **n. sp.**, p. 3, t. c.
Palæomantis **n. g.** *schmidti* **n. sp.**, HANDLIRSCH, p. 4, t. c.
Petromantis rossica **n. sp.**, p. 5, HANDLIRSCH, t. c.
Limmatoblatta **n. g.** *permensis* **n. sp.**, HANDLIRSCH, p. 6, t. c.
Aissoblatta **n. g.** *orenburgensis*, *rossica* **n. spp.**, HANDLIRSCH, p. 6, t. c.
Phthartus **n. g.** *Ephemeridform*, *rossicus*, *netschajevi* **n. spp.**, HANDLIRSCH, p. 6, t. c.
Dyadentomum **n. g.** *Ephemeridæ*, *permense* **n. sp.**, HANDLIRSCH, p. 7, t. c.
Thnetus **n. g.** *Ephemeridæ*, *stuckenbergi* **n. sp.**, HANDLIRSCH, p. 7, t. c.
Dyadozoarium **n. g.** *pachypus* **n. sp.**, HANDLIRSCH, p. 7, t. c.

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Anthracentomon **n. g.** *latipenne* **n. sp.**, Upper Westphalian, Belgium, p. 6, pl. i, figg. 4–6, HANDLIRSCH, t. c.
Mecynoptera **n. g.** *splendida* **n. sp.**, Upper Westphalian, Belgium, p. 7, pl. ii, figg. 7, 8, HANDLIRSCH, t. c.
Breyeria borinensis, figure, description, referred to new family *Breyeriidæ*, pp. 7–10, pl. iii, figg. 9, 10, HANDLIRSCH, t. c.

Megasecoptera.

Palæopalara **n. g.** *gracilis* **n. sp.**, Upper Westphalian, Belgium, pp. 10, 11, pl. ii, figg. 12, 13, HANDLIRSCH, t. c.

Anthracopalara **n. g.** *falcipennis* **n. sp.**, Upper Westphalian, Belgium, p. 11, pl. iv, figg. 14–16, HANDLIRSCH, t. c.

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Archimylacris, belgica, pl. iv, figg. 17, 18, *carbonis*, pl. v, figg. 19, 20; Upper Westphalian, Belgium, HANDLIRSCH, t. c.

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Omalia macroptera, pl. v, fig. 21, p. 13, referred to new family *Omalidæ*, HANDLIRSCH, t. c.

Pachytylopsis persenairei, pl. vi, figg. 22, 23, p. 14, referred to new family *Pachytylopsides*, HANDLIRSCH, t. c.

Palorthopteron **n. g.** *melas* **n. sp.**, Upper Westphalian, Belgium, pl. v, fig. 24, p. 15, HANDLIRSCH, t. c.

Symballophlebia **n. g.** *latipennis* **n. sp.**, Upper Westphalian, Belgium, p. 15, pl. vi, figg. 25, 26, HANDLIRSCH, t. c.

Palæomastax **n. g.** *carbonis* **n. sp.**, Upper Westphalian, Belgium, pl. vii, figg. 27, 28, p. 16, HANDLIRSCH, t. c.

Anthrocomastax **n. g.** *furcifer* **n. sp.**, Upper Westphalian, Belgium, pl. vii, figg. 29, 30, p. 17, HANDLIRSCH, t. c.

Distasis **n. g.** *rhipiphora* **n. sp.**, Upper Westphalian, Belgium, pl. vii, figg. 31, 32, p. 17, HANDLIRSCH, t. c.

The following is named in Amer. J. Sci. xv.

Megablattina beecheri **n. g., n. sp.**, SELLARDS, p. 312, pl. viii; and in op. cit. xviii, is renamed *Archoblattina* **n. n.** *beecheri*, and figured and described, pp. 218–221.

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Mylacris anceps, p. 129.

Etoblattina juvenis, p. 131, *coriacea*, p. 213.

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Schizoblattina **n. g.** *S. multinervia* **n. sp.**, p. 217.

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III. SYSTEMATIC.

N.B.—The reference numbers collected under the headings of the various groups refer to "Titles" on pp. 5–89, and are intended to give, in each case, a complete list of all memoirs containing anything of importance in connection with the group.

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Scaritini: table of genera of Palæarctic, and of species of *Scarites*, with synonymy and distribution, TSCHITSCHÉRINE, pp. 257–265, Rev. Russe Ent. 1904.

Scarites saxicola = (*cyclopius* Fleisch.), Abeille xxx, p. 235; *S. basiplicatus* var. *sequenzi*, p. 29, var. *fleischeri*, p. 30, *bucida* var. n. *bucculentus*, p. 30, FLEISCHER, Vestnik. Klub. Prostejove ii; *S. salinus*, characters, var. n., KOENIG, p. 141, Wien. ent. Zeit. xxiii.

S. cyclopius, p. 30, *israelitus*, p. 31, Syria, FLEISCHER, Vestnik. Klub. Prostejove ii, **n. spp.**

Stomini, new sub-tribe, TSCHITSCHÉRIN, p. 150, Rev. Russe Ent. iv.

Stomis: table of species, SEMENOW, pp. 187–193, Horæ Soc. ent. Ross. xxxvii.

S. hyrcanus, N. Persia, TSCHITSCHÉRIN, Rev. Russe Ent. iv; *S. tschitscherini*, p. 152, *danielanus*, p. 153, Transcaucasus, SEMENOV, t. c.: **n. spp.**

Styphromerus plausibilis, Rhodesia, PÉRINGUEY, p. 173, Ann. S. African Mus. iii, **n. sp.**

Tefflus, KOLBE gives his taxonomy in an extended form, Berlin. ent. Zeitschr. xlix, pp. 117–158.

T. angustipes subsp. n. *uvinsanus*, p. 131, *violaceus wituensis* subsp. n., p. 134, KOLBE, t. c.

Thalassophilus longicornis = (*Trechus kokujevi* Tsch.), SEMENOV, p. 202, Rev. Russe Ent. iv.

Thyreopterus angusticollis, *lugubrinus*, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**

Tichonia **n. n.** for *Caletor* Tsch., SEMENOV, p. 201, Rev. Russe Ent. iv.
Trachypachys zetterstedti, localities, synonymy, SEMENOW, p. 37, t. c.
Trechus, *Anopthalmus* etc. and other subgenn. discussed, GANGLBAUER, pp. 190–194, Munchen. Kol. Zeitschr. ii; *T. inornatus* n. n. for *quadrimaculatus* Fleisch., *T. caucasicola* n. n. for *caucasicus* Reitt., TSCHITSCHÉRIN, p. 148, Rev. Russe Ent. iv; *T. orpheus* var. n. *subparallelus*, ABEILLE, p. 199, Bull. Soc. ent. France 1904; *T. baldensis* varr. n., pp. 187–189, *T. longhii* var. n. *wingelmulleri*, l. c., GANGLBAUER, Munchen. Kol. Zeitschr. ii, and HOLDHAUS, t. c. p. 225.
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Tribax bibersteini var. n. *maljushenkoi*, KOENIG, p. 140, Wien. ent. Zeit. xxiii.
Trichosternus hudsoni, New Zealand, BROUN, Ann. Nat. Hist. xiv, p. 44, **n. sp.**
Umgenia; cf. *Metallica*.
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HALIPLIDÆ.

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Haliplus flavicollis var. n. *pallida* (?*H. fulvicollis*=*jakolevi*); *H. fluviatilis*=(*schaumi* Solsky), SEMENOW, p. 202, Rev. Russe Ent. iv; *H. variegatus*=(*maculatus* Motsch), SEMENOW, p. 216, t. c.; *H. transvolgensis* and *dalmatinus* queried; SEMENOW, p. 314, t. c.
H. transvolgensis, Saratov, SEMENOV, p. 216, t. c. **n. sp.**

DYTISCIDÆ.

[Cf. ABEILLE (3), GANGLBAUER (582), RÉGIMBART (1124, 1125).]

Agabus labiatus Brahm=(*femoralis* Payk.), BEDEL, 234, Abeille xxx.
Copelatus internus, Fernando Po, RÉGIMBART, p. 66, Ann. Mus. Genova xli; *C. geayi*, Guiana, RÉGIMBART, p. 225, Bull. Mus. Paris 1904: **n. spp.**
Hydroporus aubei varr., GANGLBAUER, p. 354, Munchen. Kol. Zeitschr. ii.
H. kocae, Slavonia, GANGLBAUER, p. 352, t. c.: **n. sp.**
Hyphydrus ovatus var., W. E. SHARP, p. 43, Ent. Mag. xl.
H. caviceps, Congo, RÉGIMBART, p. 64, Ann. Mus. Genova xli, **n. sp.**
Laccophilus virescens Brahm=(*obscurus* Panz.), BEDEL, p. 235, Abeille xxx.
L. flaviventris, Guiana, RÉGIMBART, p. 224, Bull. Mus. Paris 1904, **n. sp.**

Siettitia **n. g.** near *Hydroporus*, p. 226, for *S. balsetensis* **n. sp.**, Var, in a deep well, p. 227, ABEILLE, Bull. Soc. ent. France 1904.

GYRINIDÆ.

Dineutes subserratus, Fernando Po, RÉGIMBART, p. 67, Ann. Mus. Genova xli, **n. sp.**
Gyrites geayi, Guiana, RÉGIMBART, p. 226, Bull. Mus. Paris 1904, **n. sp.**

HYDROPHILIDÆ.

[Cf. BROUN (185), GANGLBAUER (580).]

The *Hydrophilidæ* of Europe, GANGLBAUER, pp. 141–286, Käf. Mitteleur. iv.
Dicyrtocercyon **subg. n.**, *C. ustulatus* Preyssl., GANGLBAUER, p. 276, t. c.
Hydræna, notes on French, DEVILLE, p. 187, Abeille xxx.
Limnebius paganettii, Dalmatia, GANGLBAUER, p. 261, Käf. Mitteleur. iv, **n. sp.**
Paraliocercyon **subg. n.**, *C. depressum* etc., GANGLBAUER, p. 276, t. c.
Sphæridium scarabæoides in N. America, HOUGHTON, p. 310, Ent. News Philad. xv.
Thomosis **n. g.** near *Hydrostygnus*, p. 273, for *T. guanicola* **n. sp.**, Bounty isld., BROUN, Ann. Nat. Hist. xiv.

STAPHYLINIDÆ.

[Cf. BERNHAUER (107–109), BREIT (174), BROUN (184), BRUES (188), CAMERON (221), CASEY (248), FAUCONNET & VITURAT (480), FAUVEL (483–485, 487–491), GANGLBAUER (581–583), KLIMA (820), LEA (864), LUZE (895, 896), PENECKE (1016), PÉRINGUEY (1028), POPPIUS (1093, 1094, 1096), SCHATZMAYR (1223), WASMANN (1484a, 1486).]

The second part of Bernhauer's Palæarctic *Staphylinidæ*, published in 1902, is recorded only this year.

Ænictonia annommatophila, *kohli*, Congo, WASMANN, p. 637, Zool. Jahrb. Suppl. vii; *A. raffrayi*, Usambara, FAUVEL, p. 285, Rev. Ent. franc. 1904 : **n. spp.**
Agerodes germaini, *pulcher*, p. 225, *semiviolaceus*, p. 226, *capitalis*, p. 227, *denticulatus*, p. 228, *frater*, *quadriceps*, p. 229, S. America, BERNHAUER, Stettin. Ent. Zeit. lxv, **n. spp.**
Aleochara (*Heterochara*) *glasunovi*, Centr. Asia, LUZE, p. 113, Horæ Soc. ent. Ross. xxxvii; *A. andrewesi*, p. 66, *viatica*, p. 67, India, FAUVEL, Rev. Ent. franc. xxiii; *A. parvicollis*, Peru, BERNHAUER, p. 240, Stettin. Ent. Zeit. lxv : **n. spp.**
Alianta phlœoporina, Sinai, FAUVEL, p. 72, Rev. Ent. franc. xxiii, **n. sp.**
Amarochara ocaleoides, p. 166, *korbi*, p. 167, Asia Minor, BERNHAUER, Verh. Ges. Wien 1902, Beiheft, **n. spp.**
Ancœus cordicollis, Madagascar, FAUVEL, p. 296, Rev. Ent. franc. 1904, **n. sp.**
Anisopsis **n. g.**, near *Oxytelus*, *flexuosa*, Zambesi, p. 108, *carinata*, Zanzibar, p. 109, **n. spp.**, FAUVEL, t. c.
Annomatophilus **n. g.** near *Pygostenus*, p. 642, *A. kohli*, pl. xxxii, fig. 13, *minor*, *tenellus*, **n. spp.**, Congo, p. 643, WASMANN, Zool. Jahrb. Suppl. vii.
Anommatoxenus **n. g.** near *Pygostenus*, p. 656, *A. clypeatus*, **n. sp.**, Congo, p. 657, pl. xxxii, fig. 16, WASMANN, t. c.
Anthobium sikkimi, Darjeeling, FAUVEL, p. 88, Rev. Ent. franc. xxiii, **n. sp.**

Apatetica semiviolacea, Java, *rotundicollis*, Khasia hills, p. 85, *sparsicollis*, Lombok, *lævicollis*, Tonkin, p. 86, FAUVEL, t. c. **n. spp.**
Astenus melanurus var. *subnotatus*, FAUVEL, p. 51, t. c.
Astilbus incola, India, FAUVEL, p. 63, t. c. **n. sp.**
Atemeles pratensoides, Luxemburg, WASMANN, p. 10, Deutsche ent. Zeitschr. 1904, **n. sp.**
Atheta bertolinii, Italy, PORTA, Riv. Col. ital. ii, ?p. 130 [not seen by Recorder]; *A.* (*Hydrosmecta*) *orientis*, Sinai, FAUVEL, p. 71, Rev. Ent. franc. xxiii; *A.* (*Aloconota*) *frontalis*, Central Asia, LUZE, p. 108, Horæ Soc. ent. Ross. xxxvii; *A. nilgiriensis*, India, FAUVEL, p. 62, Rev. Ent. franc. xxiii; *A. pubicollis*, Australia, p. 238, *dohrni*, Ecuador, p. 239, BERNHAUER, Stettin Ent. Zeit. lxv : **n. spp.**
Baptopoda **subg. n.** of *Oxypoda*, BERNHAUER, p. 47, Verh. Ges. Wien 1902, Beiheft.
Belonuchus quadriceps, p. 287, *holisinus*, p. 288, Usambara, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**
Bledius glasunovi, Centr. Asia, LUZE, p. 87, Horæ Soc. ent. Ross. xxxvii; *B. distans*, p. 304, *perrieri*, *lugubris*, p. 305, Madagascar, FAUVEL, Rev. Ent. franc. 1904; *B. bellicosus*, Sumatra, *conicicollis*, Tonkin, p. 111, *arenicola*, Malabar, *helferi*, Burma, p. 112; FAUVEL, t. c. : **n. spp.**
Bolbophites **n. g.** near *Ophites*, p. 278, *pustulosus*, pl. i, fig. 2, *aspericeps*, **n. spp.**, Brazil, p. 279, FAUVEL, t. c.
Bolitochara semiaspera, India, FAUVEL, p. 65, t. c. **n. sp.**
Bombylodes **n. g.** for *Bombylius* Fauv., FAUVEL, p. 43, t. c.
Boopinus **subg. n.** of *Trogophlœus*, for *T. memnonius* etc.; KLIMA, p. 56, Munchen. Kol. Zeitschr. ii.
Boreaphilus sahlbergi, E. Siberia, POPPIUS, p. 106, Medd. Soc. Faun. Fenn. 1902/03, **n. sp.**
Bryothinusa **n. g.** near *Thinusa*, p. 312, *B. catalinæ* **n. sp.**, California, p. 313, CASEY, Canad. Ent. xxxvi.
Cœnonica æthiopica, Usambara, FAUVEL, p. 284, Rev. Ent. franc. 1904, **n. sp.**
Coprophilus striatipennis Epp., valid, LUZE, p. 80, Horæ Soc. ent. Ross. xxxvii.
C. (*Zonoptilus*) *reitteri*, Centr. Asia, LUZE, p. 69, Munchen. Kol. Zeitschr. ii; *C. bimaculatus*, Centr. Asia, LUZE, p. 79, Horæ Soc. ent. Ross. xxxvii; *C. alticola*, Himalaya, FAUVEL, p. 93, Rev. Ent. franc. 1904 : **n. spp.**
Coryphium gredleri var. n. *dilutipes*, GANGLBAUER, p. 197, Munchen. Kol. Zeitschr. ii.
C. parvulum, E. Siberia, POPPIUS, p. 107, Medd. Soc. Faun. Fenn. 1902/03, **n. sp.**
Crymus **n. g.** near *Planeustomus*, p. 92, *C. antarcticus* **n. sp.**, New South Georgia, p. 93, FAUVEL, Rev. Ent. franc. xxiii.
Cryptobium extraneum, Bengal, FAUVEL, p. 55, t. c.; *C. myrmecocephalum*, Clarence Riv., pl. iv, fig. 3, p. 71, LEA, P. Linn. Soc. N. S. Wales xxix : **n. spp.**
Delopsis microphthalma, Java, FAUVEL, p. 95, Rev. Ent. franc. 1904, **n. sp.**
Demera kohli, *nitida*, Congo, WASMANN, p. 630, Zool. Jahrb. Suppl. vii, **n. spp.**
Deropoda **subg. n.** of *Oxypoda*, BERNHAUER, p. 48, Verh. Ges. Wien lii, Beiheft.
Dicax ventralis, W. Australia, p. 73, *ruficollis*, N. S. W., p. 74, with var. *nigriventris*, p. 75, LEA, P. Linn. Soc. N. S. Wales xxix, **n. spp.**
Diglossa peyerimhoffi, p. 73, *cameroni*, p. 74, Red Sea, FAUVEL, Rev. Ent. franc. xxiii; *D. testacea*, *subtilissima*, Perim, CAMERON, p. 157, Ent. Mag. xl : **n. spp.**
Dinusa æthiopica, W. Africa, BERNHAUER, Verh. Ges. Wien 1902, Beiheft, p. 15, **n. sp.**

Discoxenus **n. g.** near *Doryloxenus*, p. 655, *D. lepisma*, *assmuthi*, India, p. 66, **n. spp.**, WASMANN, Zool. Jahrb. Suppl. vii.
Dorylocerus **n. g.** near *Dorylobius*, p. 627, for *D. fossulatus* **n. sp.**, Congo, p. 628, WASMANN, t. c.
Dorylogaster **n. g.** *Aleocharinorum*, p. 625, for *D. longipes* **n. sp.**, p. 626, pl. xxx, fig. 4, West Africa, with *Anomma*, WASMANN, t. c.
Dorylomimus **n. g.** near *Mimeciton*, p. 620, for *D. kohli* **n. sp.**, Congo, p. 622, WASMANN, t. c.
Dorylonia **n. g.** near *Myrmedonia*, *D. laticeps*, pl. xxxi, fig. 8, **n. sp.**, Congo, WASMANN, p. 635, t. c.
Dorylonilla **n. g.** near *Notothecata*, *D. spinipennis*, pl. xxx, fig. 6, **n. sp.**, Congo, WASMANN, p. 631, t. c.
Dorylophila **n. g.** near *Aleochara*, p. 632, *D. rotundicollis* **n. sp.**, Congo, p. 633, pl. xxxi, fig. 7; WASMANN, t. c.
Dorylopora **n. g.** near *Dorylobius*, p. 628, for *D. costata*, pl. xxx, fig. 5, *kohli*, **n. spp.**, Congo, p. 629, WASMANN, t. c.
Doryloxenus annulatus, p. 653, *eques*, *kohli*, *hirsutus*, p. 654, Africa, *transfuga*, *termitophilus*, p. 655, WASMANN, t. c. : **n. spp.**
Dromeciton **n. g.** near *Tetradonia*, p. 282, *wagneri* **n. sp.**, Brazil, p. 283, pl. i, fig. 4, FAUVEL, Rev. Ent. franc. 1904.
Eccoptoglossa **n. g.** near *Myrmecopora*, p. 105, *E. obscura* **n. sp.**, Central Asia, p. 106, LUZE, Horæ Soc. ent. Ross. xxxviii.
Ecitonidia and *Eciton*, relations, BRUES, p. 21, Psyche xi.
Ecitopora nitidiventris, Texas, BRUES, p. 250, Ent. News Philad. xv, **n. sp.**
Eleusis planicollis Macl. = (*australis* Fauv.), LEA, p. 77, P. Linn. Soc. N. S. Wales xxix.
Eleusis conradti, *kolbei*, Usambara, FAUVEL, p. 292, Rev. Ent. franc. 1904; *E. perrieri*, *apicalis*, p. 298, *heterodera*, *boops*, p. 299, *hydrocephala*, p. 300, Madagascar, FAUVEL, t. c.; *E. rufiventris*, p. 81, *conifrons*, Sumatra, *warburgi*, Celebes, p. 82, *discalis*, Sumatra, *plagiata*, *rotundiceps*, Sikkim, p. 83, *quadridens*, Perak, *lunigera*, Malasia, p. 84, FAUVEL, t. c.; *E. spectabilis*, p. 4, *propinqua*, p. 5, *brachyptera*, *rectangulum*, p. 6, *bicarinata*, p. 7, *bisulcata*, p. 8, Madagascar, *mutica*, Gaboon, p. 9, BERNHAUER, Verh. Ges. Wien liv; *E. cephalotes*, Mexico, BERNHAUER, p. 218, Stettin Ent. Zeit. lxv : **n. spp.**
Erchomus aluticollis, New Guinea, FAUVEL, p. 295, Rev. Ent. franc. 1904, **n. sp.**
Eulissus silvaticus, p. 230, Madagascar, *purpuripennis*, Shanghai, p. 231, BERNHAUER, Stettin Ent. Zeit. lxv, **n. spp.**
Eunonia **n. g.** *Omaliini*, p. 313, *E. keeniana* **n. sp.**, Brit. Columbia, p. 314, CASEY, Canad. Ent. xxxvi.
Eupsorus **n. g.** ? near *Omalium*, p. 45, for *E. costatus* **n. sp.**, New Zealand, p. 46, BROUN, Ann. Nat. Hist. xiv.
Euryalea mongolica, Shanghai, BERNHAUER, p. 132, Verh. Ges. Wien 1902, Beiheft, **n. sp.**
Falagria nilgiriensis, India, FAUVEL, p. 62, Rev. Ent. franc. xxiii, **n. sp.**
Geodromicus punctulatus, p. 77, *ovalis*, p. 78, Centr. Asia, LUZE, Horæ Soc. ent. Ross. xxxvii, **n. spp.**
Geostiba aurogemmata, Algeria, FAUVEL, p. 75, Rev. Ent. franc. xxiii, **n. sp.**
Haploderus speculiventris, Java, FAUVEL, p. 97, t. c. **n. sp.**
Holosus tenuicornis, Gaboon, p. 13, *plicatus*, p. 14, *elegans*, *sumatrensis*, p. 15, Sumatra, BERNHAUER, Verh. Ges. Wien liv; *H. sinuatus*, Mentawei, BERNHAUER, p. 217, Stettin Ent. Zeit. lxv; *H. parcestriatus*, Java, *pennifer*, Annam, p. 76, *brevipennis*, *insularis*, Malasia, p. 77, *aberrans*, Ceylon, p. 78, FAUVEL, Rev. Ent. franc. xxiii : **n. spp.**
Holotrochus coriaceus, p. 306, *nigrita*, *nitescens*, p. 307, *marginicollis*, *specularis*, p. 308, *fairmairei*, p. 309, Madagascar, FAUVEL, t. c. **n. sp.**
Homalium (*Phlœostiba*) *usambaræ*, Africa, FAUVEL, p. 291, t. c.; *H. hova*,

p. 300, *costipenne*, p. 301, Madagascar, FAUVEL, t. c.; *H. sulcicolle*, *chlorizans*, *obesum*, p. 89, *rude*, p. 90, Sumatra, FAUVEL, t. c. : **n. spp.**

Homalota crenulata, India, FAUVEL, p. 65, t. c. **n. sp.**

Hoplandria mirabilis, Peru, BERNHAUER, p. 237, Stettin Ent. Zeit. lxv, **n. sp.**

Hoplitodes **n. g.** p. 109, *echidne*, **n. sp.**, Natal, p. 110, FAUVEL, Rev. Ent. franc. 1904.

Lathrobium (*Glyptomerus*) *wingelmulleri*, Adamello-Alps, BREIT, p. 29, Munchen. Kol. Zeitschr. ii; *L. sinaïcum*, Sinai, FAUVEL, p. 71, Rev. Ent. franc. xxiii : **n. spp.**

Leistotrophus africanus, Cameroons, BERNHAUER, p. 236, Stettin Ent. Zeit. lxv, **n. sp.**

Leptacinus apicipennis, St. Thomas, BERNHAUER, p. 234, t. c. **n. sp.**

Leptusa (*Typhlopasilia*) *pinkeri*, Mt. Adamello, GANGLBAUER, p. 196, Munchen. Kol. Zeitschr. ii, **n. sp.**

Lesteva turkestanica, Seravschan, LUZE, p. 76, Horæ Soc. ent. Ross. xxxvii, **n. sp.**

Lispinus usambaræ, *insignicollis*, Usambara, FAUVEL, p. 293, Rev. ent. franc. 1904; *L. varians*, p. 296, *agnatus*, p. 297, *obscurellus*, p. 298, Madagascar, FAUVEL, t. c.; *L. macropterus*, Celebes, p. 78, *validicornis*, Queensland, *sulcatus*, New Guinea, p. 79, *rugipennis*, *acicularis*, *quadrinotatus*, p. 80, Java, *binotatus*, New Guinea, p. 81, FAUVEL, t. c.; *L. pubiventris*, Gaboon, p. 10, *specularis*, Nias isld., p. 11, *curticollis*, Tonkin, *elongatus*, Sumatra, p. 12, BERNHAUER, Verh. Ges. Wien liv : **n. spp.**

Maseochara indica, Nilgiri hills, *javana*, Borneo, etc., FAUVEL, p. 66, Rev. Ent. franc. xxiii, **n. spp.**

Maurachelia **subg. n.** of *Oxypoda*, BERNHAUER, p. 48, Verh. Ges. Wien 1902, Beiheft.

Medon mimeticus, Madagascar, BERNHAUER, p. 224, Stettin Ent. Zeit. lxv, **n. sp.**

Megacronus lineipennis, India, FAUVEL, p. 60, Rev. Ent. franc. xxiii, **n. sp.**

Megalops hova, *bifenestratus*, p. 309, *cribriceps*, p. 310, Madagascar, FAUVEL, Rev. Ent. franc. 1904; *M. brevipennis*, Brazil, BERNHAUER, p. 222, Stettin Ent. Zeit. lxv : **n. spp.**

Megarthrus prosseni, Dobratsch, SCHATZMAYR, p. 212, Munchen. Kol. Zeitschr. ii; *M. bimaculatus*, Ceylon, *basicornis*, Sikkim, FAUVEL, p. 87, Rev. Ent. franc. xxiii : **n. spp.**

Microglossa rugipennis, Seravschan, LUZE, p. 114, Horæ Soc. ent. Ross. xxxvii, **n. sp.**

Mimophites **n. g.** near *Ophites*, p. 280, *bouvieri*, pl. i, fig. 3, *laticeps* **n. spp.**, Brazil, p. 281, FAUVEL, Rev. Ent. franc. 1904.

Mitomorphus obsoletus, India, FAUVEL, p. 56, t. c. **n. sp.**

Mycetoporus sibiricus, E. Siberia, POPPIUS, p. 1, Ofv. Finska Forh. xlvi, No. 16, **n. sp.**

Myrmedonia kohli, *pedisequa*, Congo, WASMANN, p. 634, Zool. Jahrb. Suppl. vii; *M. termitobia*, p. 206, *termitophila*, p. 207, *compransor*, p. 208, *simplex*, *uncinata*, p. 209, *procax*, p. 210, *puncticollis*, p. 211 *mima*, p. 212, *capicola*, *gentilis*, p. 213, *jucunda*, *gravidula*, p. 214, *illotula*, p. 215, *hirtella*, *conifera*, p. 216, *constritata*, *anthracina*, p. 217, *gracilicornis*, p. 218, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii : **n. spp.**

Ocalea, cf. *Sorecocephala*.

Ocypus similis, variation of wings, MÜLLER, p. 171, var. n. *semialatus*, p. 172, Wien. ent. Zeit. xxiii.

Ocyusa hibernica, Rye, note, NEWBERY, p. 251, Ent. Mag. xl; *O. laticollis* Thoms. = (*hybernica* Rye), BERNHAUER, p. 140, Verh. Ges. Wien 1902, Beiheft.

O. araxis, Caucasus, p. 139, *fortepunctata*, Turkestan, p. 145, *caucasica*, Caucasus, p. 147, *O.* (*Parocyusa* subg. n.) *holdhausi*, Carinthia, p. 149, BERNHAUER, t. c. **n. spp.**

Œdichirus ventralis, *rufitarsis*, p. 318, *kolbei*, p. 319, Madagascar, FAUVEL, Rev. Ent. franc. 1904; *Œ. tricolor*, Australia and Tasmania, p. 61, pl. iv, fig. 1, *terminalis*, N. W. Australia, p. 62, LEA, P. Linn. Soc. N. S. Wales xxix : **n. spp.**

Omalium nitidicolle, p. 108, *obscuricorne*, p. 110, Lapland, POPPIUS, Medd. Soc. Faun. Fenn. 1902/03; *O. arenarium*, Cape Good Hope, BERNHAUER, p. 16, Verh. Ges. Wien liv : **n. spp.**

Osorius sparsior, Usambara, FAUVEL, p. 291, Rev. Ent. franc. 1904; *O. alutaceus*, Madagascar, *truncorum*, Zanzibar, p. 17, *eppelsheimi*, Mentawei, p. 18, *eggersi*, St. Thomas, p. 19, BERNHAUER, Verh. Ges. Wien liv; *O. strangulatus*, India, FAUVEL, p. 47, Rev. Ent. franc. xxiii : **n. spp.**

Oxypoda arabs, Sinai, FAUVEL, p. 72, t. c.; *O. asiatica*, Turkestan, p. 74, *skalitzkyi*, Europe, p. 75, *pubescens*, Italy, p. 76, *doderoi*, Europe, p. 78, *O.* (*Deropoda* subg. n.) *cingulum*, Syria, p. 87, *caucasica*, Caucasus, *nova*, S. Europe, p. 94, *O.* (*Maurachelia* subg. n.) *pilosicollis*, Europe, p. 97, *antennata*, Turkey, p. 98, *schusteri*, Balkans and East Siberia, p. 104, *incognita*, Bucharest, p. 107, *fortepunctata*, Caucasus, p. 108, *meridionalis*, Greece and Syria, p. 114, *fauveli*, E. Siberia, p. 115, *minutissima*, S. Europe, p. 122, *longicollis*, Crimea, p. 123, BERNHAUER, Verh. Ges. Wien 1902, Beiheft : **n. spp.**

Oxytelopsis madecassa Tananarive, *genalis*, Perak, FAUVEL, p. 96, Rev. Ent. franc. 1904, **n. spp.**

Oxytelus africanus n. n. for *flavipennis* Epp. nec Kr., LUZE, p. 83, Horæ Soc. ent. Ross. xxxvii.

O. excellens, p. 81, *robusticornis*, p. 82, *luridipennis*, p. 84, Centr. Asia, LUZE, Horæ Soc. ent. Ross. xxxvii; *O. lobatus*, p. 303, *anticus*, p. 304, Madagascar, FAUVEL, Rev. Ent. franc. 1904; *O. bubalus*, Java, p. 97, *atriceps*, p. 98, Celebes, *megacephalus*, India, *gigantulus*, p. 99, *migrator*, Siam, *ruptus*, Java, p. 100, *heterophthalmus*, N. S. Wales, *dilutipennis*, W. Africa, p. 101, *planus*, Abyssinia, *nitidipennis*, Madagascar, p. 103, *claviger*, Abyssinia, *incisicollis*, E. Africa, p. 104, *bicolor*, Madagascar, Gaboon, p. 104, *sculptiventris*, Madagascar, p. 105, *crassus*, *speculum*, p. 106, *dentifrons*, S. America, *scorpio*, St. Domingo, p. 107, FAUVEL, t. c.; *O. curtus*, p. 219, *rugicollis*, p. 220, Australia, *opacinus*, Brazil, p. 221, BERNHAUER, Stettin Ent. Zeit. lxv : **n. spp.**

Pachycorinus ganglbaueri, Madagascar, BERNHAUER, p. 234, t. c. **n. sp.**

Pæderus usambaræ, Africa, FAUVEL, p. 290, Rev. Ent. franc. 1904; *P. andrewesi*, p. 53, *gratiosus*, p. 54, India, FAUVEL, t. c.; *P. trimerus*, N. Guinea, FAUVEL, p. 294, Rev. Ent. franc. 1904 : **n. spp.**

Palaminus suturalis, p. 319, *madecassa*, *pennifer*, *nossibianus*, p. 320, *allocerus*, *brunneus*, *circumflexus*, p. 321, Madagascar, FAUVEL, t. c.; *P. simoni*, India, FAUVEL, p. 50, t. c. : **n. spp.**

Parosorius **n. g.** for *Ancæus foersteri*, BERNHAUER, p. 222, Stettin Ent. Zeit. lxv.

Parocalea **n. g.** for *Ilyobates baicalica* Eppelsh., BERNHAUER, p. 169, Verh. Ges. Wien 1902 Beiheft.

Parocyusa **subg. n.** cf. *Ocyusa*.

Philonthus tantulus, p. 94, *indubius*, p. 95, *elegantulus*, p. 97, *P.* (*Gabrius*) *insignis*, p. 98, Centr. Asia, LUZE, Horæ Soc. ent. Ross. xxxvii, **n. spp.**

Phlœopora opaca, Europe, p. 194, *secreta*, Caspian, p. 196, BERNHAUER, Verh. Ges. Wien 1902, Beiheft, **n. spp.**

Phyllodrepa (*Dropephylla*) *gobanzi*, Dalmatia, GANGLBAUER, p. 650, Verh. Ges. Wien liv, **n. sp.**

Pinophilus piceus, India, FAUVEL, p. 51, Rev. Ent. franc. xxiii; *P. eppelsheimi*, Sumatra, BERNHAUER, p. 223, Stettin Ent. Zeit. lxv : **n. spp.**

Placusa simulans, Usambara, FAUVEL, p. 286, Rev. Ent. franc. 1904, **n. sp.**

Planeustomus indicus, Burma, FAUVEL, p. 91, t. c. **n. sp.**

Platyola simplex, Gaboon, BERNHAUER, Verh. Ges. Wien 1902, Beiheft, p. 41, **n. sp.**

Platyprosopus niloticus, Abyssinia, FAUVEL, p. 275, Rev. Ent. franc. 1904, **n. sp.**

Platystethus spinicornis, p. 85, *flavipennis*, p. 86, Centr. Asia, LUZE, Horæ Soc. ent. Ross. xxxvii, **n. spp.**

Polychelus **n. g.** *Omaliini*, p. 74, *P. æneipennis* **n. sp.**, Centr. Asia, p. 75, LUZE, t. c.

Psilotrichus **n. g.** near *Ancyrophorus*, p. 69, *P. elegans* **n. sp.**, Turkestan, p. 70, LUZE, Munchen. Kol. Zeitschr. ii.

Pygostenus pusillus, p. 646, *bicolor*, *lævicollis*, p. 647, *fauveli*, *splendidus*, *lujæ*, *pubescens*, p. 648, *setulosus*, *kohli*, *longicornis*, *alutaceus*, p. 649, Africa, WASMANN, Zool. Jahrb. Suppl. vii, **n. spp.**

Quedius luridipennis Macl. = (*semiviolaceus* Blackb.), LEA, p. 65, P. Linn. Soc. N. S. Wales xxix.

Q. (*Microsaurus*) *kraussi*, Herzegowina, PENECKE, p. 135, Wien. ent. Zeit. xxiii; *Q.* (*Ediquus*) *solskyi*, p. 99, *rufilabris*, p. 100, *Q.* (*Microsaurus*) *fusicornis*, p. 101, *Q.* (*Sauridus*) *imitator*, p. 102, Centr. Asia, LUZE, Horæ Soc. ent. Ross. xxxvii : **n. spp.**

Scopœus triangularis, Seravschan, LUZE, p. 90, t. c. **n. sp.**

Scytoglossa **n. g.** *Myrmedoniini*, p. 109, *S. delicata*, **n. sp.**, Seravschan, p. 110, LUZE, t. c.

Sorecocephala **subg. n.** for *Ocalea reitteri*; BERNHAUER, p. 159, Verh. Ges. Wien 1902, Beiheft.

Staphylinus (*Ocypus*) *langei*, Congo, BERNHAUER, p. 235, Stettin Ent. Zeit. lxv; *S.* (*Trichoderma*) *glasunovi*, p. 92, *S.* (*Tasgius*) *transversiceps*, p. 93, Centr. Asia, LUZE, Horæ Soc. ent. Ross. xxxvii; *S. suspectus*, India, FAUVEL, p. 57, Rev. Ent. franc. xxiii : **n. spp.**

Stenus parilis, Centr. Asia, LUZE, p. 88, Horæ Soc. ent. Ross. xxxvii; *S. protector*, *irroreus*, p. 311, *uniformis*, *volvulus*, p. 312, *obconicus*, *mirus*, p. 313, *alluaudi*, *sicardi*, p. 314, *goudoti*, *dieganus*, p. 315, *chloropterus*, *pluripunctus*, *creberrimus*, p. 316, *troile*, *delphinus*, p. 317, Madagascar, FAUVEL, Rev. Ent. franc. 1904; *S. belli*, p. 47, *ventricosus*, p. 48, *andrewesi*, *consors*, *millepunctus*, p. 49, India, FAUVEL, t. c. : **n. spp.**

Stilicoderus umbratus, India, FAUVEL, p. 52, t. c. **n. sp.**

Stilicus quadrimaculatus, Usambara, FAUVEL, p. 289, t. c.; *S. anommatophilus*, Congo, WASMANN, p. 658, Zool. Jahrb. Suppl. vii : **n. spp.**

Suniopsis politus, pl. iv, fig. 2, W. Australia, LEA, P. Linn. Soc. N. S. Wales xxix, **n. sp.**

Sunius lithocharoides var. n. *quadrimaculatus*, LUZE, p. 90, Horæ Soc. ent. Ross. xxxvii.

S. gracilicornis, Seravschan, LUZE, p. 89, t. c.; *S. apiciflavus*, p. 68, *trilineatus*, p. 69, *brevicollis*, pl. iv, fig. 13, p. 70, Australia, LEA, P. Linn. Soc. N. S. Wales xxix : **n. spp.**

Sympolemon tiro, Congo, WASMANN, pl. xxxii, fig. 12, p. 641, Zool. Jahrb. Suppl. vii, **n. sp.**

Tachinus tundræ, p. 1, *jacuticus*, p. 2, *ochoticus*, p. 5, East Siberia, POPPIUS, Ofv. Finska Forh. xlvi, No. 13; *T. splendens*, Seravschan, LUZE, p. 103, Horæ Soc. ent. Ross. xxxvii : **n. spp.**

Tachyporus gracilicornis, Seravschan, LUZE, p. 104, t. c. **n. sp.**

Tetradelus **n. g.**, new tribe near *Homaliini*, p. 90, *T. trigonuroides* **n. sp.**, Sikkim, p. 91, FAUVEL, Rev. Ent. franc. xxiii.

Trilobitideus paradoxus, Port Elizabeth, p. 619, *insignis*, Congo, p. 620, WASMANN, Zool. Jahrb. Suppl. vii, **n. spp.**

Trogophlœus, revision of palæarctic, **subg. n.** cf. *Boopinus*, KLIMA, pp. 43–66, Munchen. Kol. Zeitschr. ii.

T. bernhaueri, Irkutsk, p. 50, *reitteri*, Corfu, p. 57, *heydeni*, Turkestan, p. 59, KLIMA, t. c.; *T. alluaudi*, *dieganus*, p. 302, *malgaceus*, *boops*, p. 303, Madagascar, FAUVEL, Rev. Ent. franc. 1904; *T.* (*Thinodromus*) *brevicornis*, Seravschan, LUZE, p. 80, Horæ Soc. ent. Ross. xxxvii; *T. fuscipalpis*, Ceylon, *lepidicornis*, Celebes, FAUVEL, p. 94, Rev. Ent. franc. 1904; *T. pustulatus*, p. 20, *socius*, Annam, *brasiliensis*, p. 21, *fortepunctatus*, p. 22, Brazil, *caseyi*, N. America, p. 23, *varicornis*, Grenada, p. 24, BERNHAUER, Verh. Ges. Wien liv, **n. spp.**

Xantholinus olliffi, valid, characters, LEA, p. 66, P. Linn. Soc. N. S. Wales xxix.

X. (*Nudobius*) *pictipennis*, Africa, FAUVEL, p. 289, Rev. Ent. franc. 1904; *X. insularis*, Madagascar, p. 232, *bilimeki*, Mexico, p. 233, BERNHAUER, Stettin Ent. Zeit. lxv; *X. cinctus*, India, FAUVEL, p. 56, Rev. Ent. franc. xxiii : **n. spp.**

Xerophygus ocularis, Sumatra, FAUVEL, p. 95, t. c. **n. sp.**

Zyras forticornis, *hastatus*, India, FAUVEL, p. 64, t. c.; *Z. plasoni*, Australia, BERNHAUER, p. 240, Stettin Ent. Zeit. lxv : **n. spp.**

PSELAPHIDÆ.

[Cf. BROUN (184), DODERO (396, 397), FAUCONNET & VITURAT (480), GANGLBAUER (581), HOLDHAUS (695), MÜLLER (972), NORMAND (982), PEYERIMHOFF (1042, 1043), PIC (1071, 1077), RAFFRAY (1114), REITTER (1147), SCHATZMAYR (1223), WASMANN (1485).]

RAFFRAY gives a catalogue and genera of the family, as well as a large number of new species; of the 18 tribes 5 are new, and the name *Bryaxini* gives place to *Brachyglutini*. The synonymy is not given by the Recorder below except when new nomenclature is involved. Ann. Soc. ent. France 1903 and 1904.

Termitophilous *Pselaphidæ*, WASMANN, pp. 3–5, Jägerskiöld exp., No. 13.

The sexual characters of *Bythinus*, DODERO, pp. 466–468, Ann. Mus. Genova xli.

Achillia convexiceps, p. 135, *picea*, *cordicollis*, p. 136, *clavata*, *quadraticeps*, p. 137, *latifrons*, *blanchardi*, p. 138, *elfridæ*, *brevicornis*, p. 139, Chile, RAFFRAY, Ann. Soc. ent. France 1905, **n. spp.**

Adiastulus **n. g.** for *Oxarthrius ophthalmicus*, RAFFRAY, p. 638, Ann. Soc. ent. France 1904.

Amauronyx barnevillei=(*Euplectus guillebeaui* Xamb.), NORMAND, p. 200, Bull. Soc. ent. France 1900.

A. bedeli, Tunis, NORMAND, p. 213, Abeille xxx, **n. sp.**

Amaurops pinkeri, Mt. Adamello, GANGLBAUER, p. 195, Munchen. Kol. Zeitschr. ii, **n. sp.**

Anasis impunctata, Sumatra, RAFFRAY, p. 178, Ann. Soc. ent. France 1904, **n. sp.**

Anasopsis **n. g.** for New Caledonian *Anasis*, RAFFRAY, p. 179, t. c.

Ancystrocerus carinatus, Sumatra, RAFFRAY, p. 383, t. c. **n. sp.**

Apharina nodula, p. 311, *armata*, p. 312, Sumatra, RAFFRAY, t. c. **n. spp.**

Aploderina **n. g.** near *Hamotus*, *A. sulcicornis* **n. sp.**, Bolivia, RAFFRAY, p. 386, t. c.

Aporhexius **n. g.** p. 593, *A. pubescens* **n. sp.**, Bolivia, p. 594, RAFFRAY, Ann. Soc. ent. France 1903.

Arhytodes brevicornis, *brasiliensis*, S. America, RAFFRAY, p. 433, Ann. Soc. ent. France 1904, **n. spp.**

Arthmius pedestrianus, Mexico, p. 16, *transversalis*, *labiatus*, Brazil, p. 17, RAFFRAY, t. c. **n. spp.**

Asymoplectus flagellatus, S. Africa, RAFFRAY, p. 538, Ann. Soc. ent. France 1903, **n. sp.**

Atenisodus **n. g.** near *Comatopselaphus*, *A. macrophthalmus* **n. sp.**, Sumatra, RAFFRAY, p. 121, Ann. Soc. ent. France 1904.

Balega dentata, Mexico, RAFFRAY, p. 511, Ann. Soc. ent. France 1903, **n. sp.**

Batoctenus dimidiatus, Bolivia, *incertus*, Amazons, RAFFRAY, p. 39, Ann. Soc. ent. France 1904, **n. spp.**

Batraxis tumorosa, p. 118, Sumatra, *indica*, India, *parvispina*, Sumatra, p. 119, *obesa*, Philippines, p. 120, RAFFRAY, t. c. **n. spp.**

Batribolbus **n. g.** for part of *Eubatrisus*, RAFFRAY, p. 60, t. c.

Batrisiella **n. g.** for *Eubatrisus caviventris*, RAFFRAY, p. 59, t. c.

Batrisinus elegans, *gravidus*, Sumatra, RAFFRAY, p. 58, t. c. **n. spp.**

Batrisodes obesus, p. 23, *luteolus*, p. 24, *tricarinatus*, *tuberculatus*, p. 25, *acinosus*, p. 26, *ferinus*, p. 27, *tenuicornis*, *multiforus*, p. 28, *infandus*, p. 29, *patranus*, *nodosus*, p. 30, *indecorus*, *mavortius*, p. 31, *irritus*, p. 32, *demissus*, *sagax*, p. 33, Sumatra, *harmandi*, p. 34, *epistomalis*, p. 35, Japan, RAFFRAY, t. c. **n. spp.**

Batrisomalus **n. g.** for pt. of *Batrisus*, with *B. infossus* **n. sp.**, S. India, RAFFRAY, p. 60, t. c.

Batrisoscenus siamensis, Siam, *furcifer*, p. 43, *tumorosus*, *triangulatus*, p. 44, *truncatus*, *mitratus*, p. 45, *vulneratus*, *carinatus*, p. 46, *trigona*, *longipes*, p. 47, *cameratus*, p. 48, *fornicatus*, *binodosus*, p. 49, *calcaratus*, Sumatra, *sauciipes*, China, p. 50, *deformipes*, p. 51, *cultripes*, p. 52, *major*, Sumatra, *sinensis*, China, p. 53, *indecorus*, Sumatra, *annamita*, Hué, p. 54, *quadraticeps*, p. 55, *immundus*, *capitatus*, p. 56, Sumatra, *carinicollis*, Botany bay, p. 57, RAFFRAY, t. c. **n. spp.**

Biblomimus **n. g.** *B. minutus* **n. sp.**, Antilles, RAFFRAY, p. 545, op. cit. 1903.

Bibloplectus parviceps, Cape G. H., RAFFRAY, p. 545, t. c. **n. sp.**

Braxyda n. gen. near *Achillia*, *B. hamata*, p. 145, *crassipes*, p. 146, **n. spp.**, Bolivia, RAFFRAY, op. cit. 1904.

Brachygluta caligata, var. n. *depressifrons*, NORMAND, p. 215, Abeille xxx.

B. bicaudata, Tunis, NORMAND, p. 215, t. c. **n. sp.**

Bryaxina **n. g.** near *Achillia*, p. 140, *B. torticornis*, *armiceps*, p. 142, *lucida*, *clavata*, *dimidiata*, p. 143, *schaufussi*, *foveifrons*, p. 144, *crassicornis*, p. 145, Brazil, **n. spp.**, RAFFRAY, Ann. Soc. ent. France 1904.

Bryaxis cf. *Bythinus*.—*B. sculptifrons* var. n. *roumaniæ*, *B. nodicornis* var. n. *montandoni*, RAFFRAY, p. 263, t. c.

B. (*Reichenbachia*) *mundicornis*, Bagdad, PIC, p. 49, Exchange xx, **n. sp.**

Bunoderus **n. g.** near *Brachygluta*, p. 151, *B. carinicollis*, Mexico, *longipilis*, Brazil, **n. spp.**, p. 152, RAFFRAY, Ann. Soc. ent. France 1904.

Bythinoplectus acutangulus, Grenada, p. 503, *transversiceps*, Brazil, p. 504, RAFFRAY, op. cit. 1903, **n. spp.**

Bythinus auctt. to be called *Bryaxis* Kug., and the *Bythinini* to be called *Tychini*, RAFFRAY, pp. 254 etc., op. cit. 1904.

B. (*Bythoxenus*) *guignardi*, Basses-Alpes, PEYERIMHOFF, p. 214, Bull. Soc. ent. France 1904; *B. noesskei*, Rhaetian Alps, GANGLBAUER, p. 194, Munchen. Kol. Zeitschr. ii; *B. trigonoceras*, Mte. Cavallo, HOLDHAUS, p. 227, Munchen. Kol. Zeitschr. ii; *B. heterocerus*, Dalmatia, MÜLLER, p. 208, Munchen. Kol. Zeitschr. ii; *B.* (*Bythoxenus*) *aymerichi*, Sardinia, DODERO, p. 53, Ann. Mus. Genova xli : **n. spp.**

Centrophthalmosis **n. g.** *C. inexpectus*, p. 376, *sulcatus*, *reitteri*, p. 377, **n. spp.**, Africa, RAFFRAY, Ann. Soc. ent. France 1904.

Centrophthalmus guinaeensis, *abyssinicus*, p. 373, Africa, *birmanus*, Burma, *sinensis*, Mong-po, p. 374, *papuanus*, Dorey, *angustipalpus*, Java, *bicarinatus*, Gaboon, p. 375, RAFFRAY, t. c. **n. spp.**

Cercoceroides simplex, *tuberculatus*, Brazil, RAFFRAY, p. 410, t. c. **n. spp.**
Cercoceropsis **n. g.** near *Cercoceroides*, *C. longipes* **n. sp.**, Brazil, RAFFRAY, p. 387, t. c.
Cercocerulus **n. g.** for *Phalepsus hirsutus*, Schauf., RAFFRAY, p. 411, t. c.
Chenniopsis **n. g.** p. 338, *C. madecassa* **n. sp.**, Madagascar, p. 339, RAFFRAY, t. c.
Claviger montandoni, Roumania, RAFFRAY, p. 457, t. c. **n. sp.**
Cliarthrus semirugosus, South Africa, RAFFRAY, p. 18, t. c. **n. sp.**
Comatopselaphus parcepunctatus, Sumatra, RAFFRAY, p. 120, t. c. **n. sp.**
Cryptorhinula xybaridoides, Brazil, RAFFRAY, p. 132, t. c. **n. sp.**
Ctenicellus n. g., p. 344, *C. major* **n. sp.**, Australia, p. 345, RAFFRAY, t. c.
Ctenisomimus **n. g.** for *Sognorus oneili*, RAFFRAY, p. 341, t. c.
Ctenisophus validicornis, Sumatra, *bowringi*, Siam, p. 343, *irregularis*, Sumatra, p. 344, RAFFRAY, t. c. **n. sp.**
Ctenistes vaulogeri, Tunis, PIC, p. 89, Echange XX ; *C. crassicornis*, Burma, RAFFRAY, p. 340, Ann. Soc. ent. France 1904, **n. sp.**
Curculionellus hirtus, Sumatra, RAFFRAY, p. 322, t. c. **n. sp.**
Cyathiger gracilis, p. 305, *patruelis*, *nodicornis*, p. 306, *truncatus*, p. 307, Sumatra, RAFFRAY, t. c. **n. spp.**
Cyrtoplectus **subg. n.** for *Euplectus sulciventris*, NORMAND, p. 200, Bull. Soc. ent. France 1904.
Dalmodes gracilipes, Brazil, RAFFRAY, p. 270, Ann. Soc. ent. France 1904, **n. spp.**
Decarthron bicolor, Chile, *hetschkoi*, Brazil, p. 187, *sulcipes*, Bolivia, *tritomum*, Brazil, p. 188, *arthriticum*, Mexico, *insulare*, Grenada, p. 189, *quadraticeps*, Mexico, *planiceps*, Colombia, p. 190, *schmitti*, Mexico, p. 191, *spinosum*, Grenada, *culneratum*, Mexico, p. 192, *brasilianum*, *minutum*, p. 193, Brazil, *tomentosum*, Colombia, *schaufussi*, Amazons, *planifrons*, Mexico, p. 194, *longicorne*, Amazons, *frontale*, Colombia, p. 195, RAFFRAY, t. c. **n. spp.**
Desimia caviceps, S. Africa, RAFFRAY, p. 346, t. c. ; *D. ferruginea*, Tunis, NORMAND, p. 219, Abeille XXX : **n. spp.**
Diaposis **n. g.** for *Batrisus carinicollis* Raffr., RAFFRAY, p. 38, Ann. Soc. ent. France 1904.
Diaugis **n. g.** near *Batrisoschema*, p. 14, *D. granulosa* **n. sp.**, Sumatra, p. 15, RAFFRAY, t. c.
Didymoprora semipunctata, Queensland, RAFFRAY, p. 384, t. c. **n. sp.**
Drasinus **n. g.** near *Decarthron*, *D. binodulus* **n. sp.**, Mexico, RAFFRAY, p. 148, t. c.
Ectopocerus **n. g.** for *Decarthron verticicornis* Reitt., RAFFRAY, p. 149, t. c.
Eleusomatus, p. 638, op. cit. 1904, the following is called *Eleusomatus*.
Eleusoptamus **n. g.** for *Euplectus allocephalus*, Broun, RAFFRAY, p. 548, op. cit. 1903.
Enoptostomus crassicornis, Sumatra, RAFFRAY, p. 347, op. cit. 1904, **n. sp.**
Ephimia subnitida, Grenada, RAFFRAY, p. 312, t. c. **n. sp.**
Ephymata **n. g.** for *Bryaxis mucronata* Raffr., RAFFRAY, p. 149, t. c.
Eremomus **n. g.** near *Brachygluta*, *E. obesus*, Bolivia, p. 177, *crassicornis*, Para, p. 178, **n. spp.**, RAFFRAY, t. c.
Euphalepsus tricarinatus, p. 61, *fasciculatus*, p. 62, Brazil, *dentipes*, N. America, p. 63, *tibialis*, Amazons, p. 64, RAFFRAY, t. c.
Eupines minima, Australia, p. 123, *E.* (*Byraxis*) *longiceps*, New Zealand, p. 124, RAFFRAY, t. c. **n. spp.**
Euplectus, cf. *Cyrtoplectus*.
E. crassus, *pici*, p. 210 with var. *scillarum*, p. 211, *fedjensis*, p. 212, Tunis, NORMAND, Abeille XXX ; *E. caviceps*, p. 48, *sulciceps*, p. 49, New Zealand, BROUN, Ann. Nat. Hist. XIV ; *E. schmitti*, p. 540, *infossus*, p. 541, N. America, *exiguus*, *illepidus*, Antilles, p. 542, RAFFRAY, Ann. Soc. ent. France 1903 : **n. spp.**

Eupsenius gracilis, Antilles, RAFFRAY, p. 197, op. cit. 1904, **n. sp.**
Eurhexius sexpunctatus, *longicornis*, p. 589, *megacephalus*, p. 590, *quadrifoveatus*, *lævis*, *subacuminatus*, p. 591, *octopunctatus*, *reitteri*, p. 592, *bicolor*, p. 593, Brazil, RAFFRAY, op. cit. 1903, **n. spp.**
Euteleia **n. g.** near *Decarthron*, *E. lewisi*, p. 183, *trifoveata*, Brazil, *nodosa*, Mexico, p. 184, **n. spp.**, RAFFRAY, op. cit. 1904.
Eutyphlus schmitti, Pennsylvania, RAFFRAY, p. 546, op. cit. 1903, **n. sp.**
Exallus **n. g.** for part of *Oxarthrius*, RAFFRAY, p. 18, op. cit. 1904.
Filiger validus, p. 310, *opacus*, p. 311, Sumatra, RAFFRAY, t. c. **n. spp.**
Fustiger smithi, St. Vincent, RAFFRAY, p. 455, t. c. **n. sp.**
Fustigeropsis simplex, S. Africa, RAFFRAY, p. 455, t. c. **n. sp.**
Globa lævis, Bolivia, RAFFRAY, p. 122, t. c. **n. sp.**
Golasa **n. g.** p. 494, for *Sagola microcephala* Reitt., RAFFRAY, op. cit. 1903.
Hamotoides nigropilosus, p. 407, Pará, *hirtus*, p. 408, Grenada, RAFFRAY, op. cit. 1904, **n. spp.**
Hamotus sternalis, p. 389, *boliviensis*, p. 390, Bolivia, *globulifer*, Brazil, p. 392, *tibialis*, Mexico, *punctipennis*, Colombia, p. 393, *vesiculifer*, Venezuela, p. 394, *bulbifer*, Colombia, p. 395, *lætus*, Paraguay, p. 397, *cavicornis*, Guatemala, *rugosus*, p. 398, *bicolor*, *fauveli*, p. 399, *sulcipalpus*, Bolivia, *grouvellei*, p. 400, *simplex*, p. 401, Brazil, *soror*, Venezuela, p. 403, *decipiens*, *longepilosus*, Colombia, p. 404, *longiceps*, Brazil, p. 405, RAFFRAY, t. c. **n. spp.**
Hapochræus **n. g.** near *Batrisoschema*, p. 13, *H. granosus* **n. sp.**, Sumatra, p. 14, RAFFRAY, t. c.
Harmomima **n. g.** near *Batrybraxis*, *H. grandiceps*, p. 269, *impressicollis*, p. 270, Bolivia, **n. spp.**, RAFFRAY, t. c.
Itamus **n. g.** near *Decarthron*, *I. laticeps* **n. sp.**, Brazil, RAFFRAY, p. 196, t. c.
Iteticus **n. g.** for part of *Batrisodes* etc., RAFFRAY, p. 19, t. c.
Jubus brevis, Bolivia, *gracilicornis*, Mexico, p. 510, *clavatus*, Grenada, p. 511, RAFFRAY, op. cit. 1903, **n. spp.**
Labomimus harmandi, India, RAFFRAY, p. 382, op. cit. 1904, **n. sp.**
Machærites glabratus, found with *Ponera*, CHITTY, p. xl, P. ent. Soc. London 1904.
Macroplectus tasmanicus, Tasmania, RAFFRAY, p. 544, Ann. Soc. ent. France 1903, **n. sp.**
Melba grenadensis, Antilles, p. 535, *dentipes*, N. America, p. 536, *quadrifoveata*, St. Thomas, p. 537, RAFFRAY, t. c. **n. spp.**
Nenemeca **n. g.** near *Batrisus*, *N. bidentata* **n. sp.**, Sumatra, RAFFRAY, p. 37, op. cit. 1904.
Methorius **n. g.** p. 537 for *Periplectus bicolor*, RAFFRAY, op. cit. 1903.
Metopias carinipes, Bolivia, RAFFRAY, p. 106, op. cit. 1904, **n. sp.**
Mina nasuta, Sumatra, RAFFRAY, p. 59, t. c. **n. sp.**
Mirus lavagnei, Montpellier, DODERO, p. 40, Bull. Soc. ent. France 1904, **n. sp.**
Mitona **n. g.** near *Xybaris*, *M. quadraticeps*, p. 129, *bisulciceps*, Bolivia, *mnizechi*, Colombia, p. 130, *nigra*, Venezuela, p. 131, **n. spp.**, RAFFRAY, Ann. Soc. ent. France 1904.
Nodulina **n. g.** for *Bryaxis convexa* Schauf., RAFFRAY, p. 153, t. c.
Odontalgus gracilis, *validus*, Sumatra, RAFFRAY, p. 348, t. c. **n. spp.**
Omotimus **n. g.** for *Trimiodytes sulcifrons*, RAFFRAY, p. 534, op. cit. 1903.
Ophelius **n. g.** near *Batrisopsis*, *O. simplex* **n. sp.**, Sumatra, RAFFRAY, p. 36, op. cit. 1904.
Patreus **n. g.** near *Sagola*, for *P. lewisi* **n. sp.**, New Zealand, BROUN, p. 47, Ann. Nat. Hist. xiv.
Phalepsus vulgaris, *cavicornis*, S. America, RAFFRAY, p. 416, Ann. Soc. ent. France 1904, **n. spp.**

Phamisus velutinus, Bolivia, RAFFRAY, p. 512, op. cit. 1903, **n. sp.**
Phoberus **n. g.** near *Reichenbachia*, *P. armatus* **n. sp.**, Bolivia, RAFFRAY, p. 176, op. cit. 1904.
Prosagola **n. g.** p. 494, for *Sagola elfridæ* Reitt., RAFFRAY, op. cit. 1903.
Pselaphus globiventris, Sicily, REITTER, p. 46, Wien. ent. Zeit. xxiii ; *P. pubescens*, Annam, *vestitus*, Sumatra, *squamosus*, Cape Town, RAFFRAY, p. 321, Ann. Soc. ent. France 1904 : **n. spp.**
Pselaptus politissimus, Brazil, *sternalis*, Grenada, RAFFRAY, p. 128, op. cit. 1905, **n. spp.**
Pseudohamotus planiceps, Brazil, RAFFRAY, p. 409, op. cit. 1904, **n. sp.**
Pseudophanias elegans, *robustus*, p. 413, Sumatra, *punctatus*, Singapore, p. 414, *puberulus*, Penang, *clavatus*, Sumatra, p. 415, RAFFRAY, t. c. **n. spp.**
Pyxidicerus lævipennis, Sumatra, *laticollis*, Singapore, RAFFRAY, p. 501, op. cit. 1903.
Radamellus **n. g.** for *Radama spinipennis*, RAFFRAY, p. 456, op. cit. 1904.
Raffrayia opaca, S. Africa, RAFFRAY, p. 595, op. cit. 1903, **n. sp.**
Reichenbachia addahensis, W. Africa, *nava*, p. 156, *breviventris*, Sumatra, *infelix*, W. Africa, p. 157, *bengalensis*, India, *grouvellei*, Mexico, p. 158, *nitella*, Sumatra, *boliviensis*, Yuracaris, p. 159, *pygidialis*, Missouri, *cicatricosa*, Sumatra, p. 160, *muscorum*, Penang, *curvipes*, Brazil, p. 161, *arabica*, Hedjaz, *irrita*, p. 162, *luteola*, p. 163, *chevrolati*, *pilosa*, p. 164, *illepida*, Brazil, *fasciculata*, p. 165, *compressipes*, p. 166, Sumatra, *orientalis*, W. Asia, p. 167, *maroccana*, Morocco, *grenadensis*, p. 168, *vincentiana*, Antilles, *cultrata*, Sumatra, p. 169, *falsa*, Yucatan, p. 170, *globulosa*, Brazil, p. 171, *chiricahuensis*, Arizona, p. 172, *mexicana*, Mexico, *oberthuri*, Honda, p. 173, *appendiculata*, Mexico, p. 174, *obnubila*, Yucatan, *immodica*, Colombia, p. 175, RAFFRAY, op. cit. 1904 ; *R. infossa*, Sumatra, RAFFRAY, p. 635, t. c. : **n. sp.**
Rybaxis villosa, Tonkin, *convexa*, Sumatra, p. 181, *bicarinata*, Queensland, p. 182, RAFFRAY, t. c. **n. spp.**
Salagosa **n. g.** p. 494, for *Sagola brevipennis* Reitt., RAFFRAY, op. cit. 1903.
Sathytes gracilis, Sumatra, RAFFRAY, p. 65, op. cit. 1904, **n. sp.**
Scalenarthrus subcarinatus, Yucatan, *schaufussi*, Brazil, p. 125, *simplex*, Bolivia, *obliquus*, Mexico, p. 126, *clavatus*, *pectinicornis*, Antilles, p. 127, RAFFRAY, t. c. **n. spp.**
Schaufussia nasuta, S. Australia, RAFFRAY, p. 385, t. c. **n. sp.**
Strombopsis **n. g.** near *Xybarida*, p. 133, *X. breviventris* **n. sp.**, Brazil, RAFFRAY, t. c.
Subulipalpus myrmecophilus, Hong-Kong, RAFFRAY, p. 383, t. c. **n. sp.**
Tanypleurus megacephalus, Sumatra, RAFFRAY, p. 271, t. c. **n. sp.**
Thesiastes liliputanus, Granada, RAFFRAY, p. 543, op. cit. 1903, **n. sp.**
Thysdarius **n. n.** for *Thysdrus* Fairm., FAIRMAIRE, p, 117, Bull. Soc. ent. France 1904.
Tmesiphorus punctatus, Assinia, p. 378, *arrowi*, Adelaide Riv., p. 379, *bispina*, *squamosus*, p. 380, *aspericollis*, p. 381, Sumatra, RAFFRAY, Ann. Soc. ent. France 1904, **n. spp.**
Trimium longiventre, Transcaucasus, RAFFRAY, p. 534, op. cit. 1903, **n. sp.**
Triomicrus cavernosus, *humilis*, China, RAFFRAY, p. 147, op. cit. 1904, **n. spp.**
Tychus, study, synonymical and varietal, PEYERIMHOFF, Abeille xxx, pp. 169–179, *T. bryaxioides* var. n. *raffrayi*, p. 173 ; *T. niger* and *bryaxioides*, variation, *bryaxioides* var. n. *poupilieri*, RAFFRAY, pp. 265–267, Ann. Soc. ent. France 1904.
T. bispina, Tangier, p. 267, *sternalis*, Pennsylvania, p. 268, RAFFRAY, t. c. **n. spp.**
Tyraphus vestitus, Sumatra, RAFFRAY, p. 636, t. c. **n. sp.**
Tyrus tillyi, Carinthia, SCHATZMAYR, p. 213, Munchen. Kol. Zeitschr. ii, **n. sp.**

Xybarida punctulum, Brazil, RAFFRAY, p. 133, Ann. Soc. ent. France 1904, **n. sp.**
Xybaris quadraticeps, p. 131, *atomaria*, p. 132, Brazil, RAFFRAY, t. c. **n. spp.**
Zethopsus puncticeps, Sumatra, RAFFRAY, p. 502, op. cit. 1903, **n. spp.**

PAUSSIDÆ.

[Cf. PÉRINGUEY (1028), WASMANN (1481).]

Paussidæ, remarks on phylogeny and biology, also new varr. besides the spp. mentioned below, WASMANN, Notes Leyden Mus. xxv, pp. 1–82.
Hylotorus sebakuanus, Rhodesia, PÉRINGUEY, p. 205, Ann. S. African Mus. iii, **n. sp.**
Paussus favieri, relations with ants, NORMAND, p. 79, Echange xx.
P. cerambyx, Congo, p. 51, pl. iv, f. 3, *bicornis*, Cameroons, f. 2, p. 52, *semicucullatus* (Brauns), Port Elizabeth, p. 53, *cardoni*, p. 57, pl. v, f. 6, *assmuthi*, p. 58, pl. vi, f. 4, *seriesetosus*, f. 3, p. 59, *quadratidens*, p. 60, *aureofimbriatus*, p. 61, pl. vi, f. 5, India, *spiniceps*, p. 63, f. 6, Sierra Leone, *pandamanus*, f. 6, p. 64, *nigrita*, p. 65, Java, WASMANN, Notes Leyden Mus. xxv, **n. spp.**
Platyrhopalus cardoni, India, p. 19, *paussoides*, Bootang, p. 20, pl. iii, f. 3, WASMANN, t. c. **n. spp.**
Pleuropterus oberthuri, p. 9, *brevicornis*, p. 10, Africa, WASMANN, t. c. **n. spp.**

SCYDMÆNIDÆ.

[Cf. FAUCONNET & VITURAT (480), REITTER (1151, 1152).]

Euconnus solarii, Valle Lucano, REITTER, p. 152, Wien. ent. Zeit. xxiii, **n. sp.**
Neuraphes bescidicus, Silesia, REITTER, p. 147, t. c. **n. sp.**
Stenichnus pilosissimus, Valle Lucano, REITTER, p. 151, t. c. **n. sp.**

SILPHIDÆ.

[Cf. ABEILLE (4), CHOBAUT (271), CSIKI (328), DODERO (397), FLEISCHER (513), MAYET (926), MÜLLER (970, 971), PEYERIMHOFF (1041, 1042), POPPIUS (1094), PORTEVIN (1100), REITTER (1142, 1151, 1152, 1155), WASMANN (1482), ZOUFAL (1549).]

REITTER figures Bosnian and Herzegowinian Cave *Silphidæ*, pl. 1, p. 146, Wien. ent. Zeit. xxiii.

Agathidium lævigatulum, Valle Lucano, REITTER, p. 154, t. c. **n. sp.**
Anemadus leonhardi, Herzegowina, REITTER, p. 154, t. c. **n. sp.**
Antroherpon loreki=(*kraussi* Müll.), REITTER, p. 84, t. c.
A. loreki, cavern in Herzegowina, ZOUFAL, p. 20, Wien. ent. Zeit. xxiii; *A. kraussi*, Herzegovina, MÜLLER, p. 38, Munchen. Kol. Zeitschr. ii, **n. spp.**
Apholeuonus nudus var. n. *longicollis*, REITTER, p. 255, Wien. ent. Zeit. xxiii.
A. (*Haplotropidius* subg. n. p. 89), *pubescens*, p. 78, pl. i, f. 1, *taxi*, p. 83, f, 2, Dalmatian caverns, MÜLLER, SB. Ak. Wien cxii, Abt. i, **n. spp.**
Bathyscia destefanii, valid, list of Italian *B.*, DODERO, pp. 121–123, Natural. Sicil. xvii; *B. champsauri*, p. 215, *foveicollis*, p. 216, subspp. n., PEYERIMHOFF, Bull. Soc. ent. France 1904; *B. neumanni*, characters, REITTER, p. 260, Wien. ent. Zeit. xxiii.
B. nemausica, Nimes, CHOBAUT, p. 76, Bull. Soc. Nimes xxxi; *B. jeanneli*, p. 242, *elgueæ*, p. 243, Basses Pyrénées, ABEILLE, Bull. Soc. ent. France 1904; *B.* (*Aphaobius*) *fabianii*, Venetia, p. 55, *raveli*, Capri, p. 57, *lostiæ*, Sardinia, p. 58, DODERO, Ann. Mus. Genova xli; *B. serbica*,

Servia, MÜLLER, p. 41, Munchen. Kol. Zeitschr. ii ; *B.* (*Aphaobius*) *eurycnemis*, cavern Herzegowina, REITTER, p. 26, Wien. ent. Zeit. xxiii : **n. spp.**

Blatrodromus **subgen. n.**, cf. *Pholeuonopsis.*

Choleva pallida, E. Siberia, POPPIUS, p. 2, Ofv. Finska Forh. xlvi, No. 16, **n. sp.**

Delios **n. g.** *Liodini*, *D. bouvieri* **n. sp.**, Darjeeling, PORTEVIN, p. 335, Bull. Mus. Paris ix.

Diaprysius mazaurici, cavern, Gard, MAYET, p. 31, Bull. Soc. Nimes xxxi ; *D. serullazi*, Ardèche. PEYERIMHOFF, p. 185, Bull. Soc. ent. France 1904 : **n. spp.**

Dissochætus geayi, French Guiana, PORTEVIN, p. 329, Bull. Mus. Paris ix, **n. sp.**

Eusilpha hypocrita, Mou-pin, PORTEVIN, p. 332, t. c. **n. sp.**

Hadrambe Thoms. is syn. of *Ecanus* Steph., BEDEL, p. 235, Abeille xxx.

Haplotropidius **subgen. n.**, cf. *Apholeuonus.*

Liodes, habits, with larvæ noticed, FLEISCHER, pp. 251–254, Wien. ent. Zeit. xxiii, *L. curvipes* (=*macropus* Rye) characters, var. n. *ruficornis*, FLEISCHER, p. 162, t. c. ; *L. ovalis*, *nigricollis*, nov., FLEISCHER, p. 166, t.c. ; *L. scita*, cf. *Trichosphærula.*

L. chaffanjoni, Mongolia, *contracta*, Darjeeling, PORTEVIN, p. 335, Bull. Mus. Paris ix, **n. spp.**

Loricaster cribripennis, France, REITTER, p. 147, Wien. ent. Zeit. xxiii, **n. sp.**

Necrophorus vespilloides var. n. *lateralis*, PORTEVIN, p. 330, Bull. Mus. Paris ix.

N. quadraticollis, Mou-pin, id., l. c. **n. sp.**

Philas **n. g.** for *Silpha truncata* Say, PORTEVIN, p. 331, t. c.

Pholeuon (*Parapholeuon*) *hungaricum*, Szohodol, CSIKI, p. 565, Ann. Mus. Hungar. ii, **n. sp.**

Pholeuonopsis (*Blattodromus* subg. n.) *herculeana*, Bosnia, REITTER, p. 153, Wien. ent. Zeit. xxiii, **n. sp.**

Pteroloma harmandi, Darjeeling, PORTEVIN, p. 334, Bull. Mus. Paris ix, **n. sp.**

Ptomaphagus bicolor, Darjeeling, PORTEVIN, p. 329, t. c. **n. sp.**

Scotocryptus, notes, larva, WASMANN, Rev. Mus. Paulista vi, pp. 483–487.

Silpha inæqualis var. n. *rugulosa*, PORTEVIN, p. 333, Bull. Mus. Paris ix.

Silphosoma **n. g.** for *Silpha metallescens* Fairm., PORTEVIN, p. 333, t. c.

Thanatophilus thoracicus var. n. *davidi*, PORTEVIN, p. 331, t. c.

Trichosphærula subg. n. of *Liodes* for *scita* Er., FLEISCHER, p. 261, Wien. ent. Zeit. xxiii.

TRICHOPTERYGIDÆ.

Ptenidium lævipenne, East Pyrenees, ABEILLE, p. 100, Miscell. Ent. xii, **n. sp.**

SCAPHIDIIDÆ.

Scaphidium matthewsi **n. n.** for *unicolor* Matth., CSIKI, p. 85, Wien. ent. Zeit. xxiii.

Scaphosoma reitteri **n. n.** for *læve* Guillb., CSIKI, p. 85, t. c.

HISTERIDÆ.

[Cf. DAVIS (352), LEWIS (880), REITTER (1144, 1152), SCHAEFFER (1220).]

Hister attacking caterpillars, DAVIS (352).

Acritus nigricornis, sexes, MÜLLER, p. 172, Wien. ent. Zeit. xxiii ; *A. seminulum* and *nigricornis* as sexes, REITTER, p. 36, t. c. ; *A. nigricornis* and *seminulum*, correction, GERHARDT, p. 368, Deutsche ent. Zeitschr. 1904.
A. italicus, Valle Lucano, REITTER, p. 155, Wien. ent. Zeit. xxiii, **n. sp.**
Enicosoma **n. g.** for *E. vespertinum* **n. sp.**, Brazil, LEWIS, p. 149, pl. vi, f. 5, Ann. Nat. Hist. xiv, **n. sp.**
Eutidium lepidum, Brazil, LEWIS, p. 138, t. c. **n. sp.**
Gnathoncus, synonomy, *G. schmidti*, established, REITTER, p. 35, Wien. ent. Zeit. xxiii.
Hister pachysoma, characters, LEWIS, p. 146, Ann. Nat. Hist. xiv.
H. belli, India, p. 146, *walkeri*, Australia, p. 147, LEWIS, t. c. **n. spp.**
Hololepta dux, Cameroons, LEWIS, p. 138, t. c. **n. sp.**
Lioderma intersectum, Peru, LEWIS, p. 139, t. c. **n. sp.**
Macrolister **n. g.** for *Hister gigas* etc., LEWIS, p. 145, t. c.
Niponius canalicollis, f. 1, *parvulus*, f. 2, *andrewesi*, f. 3, pl. vi, LEWIS, t. c.
N. striaticeps, Borneo, p. 137, pl. vi, f. 4, id. t. c. **n. sp.**
Omalodes mestino, Peru, LEWIS, p. 144, **n. sp.**
Orectoscelis humeralis, pl. vi, fig. 6, LEWIS, t. c.
Pachycrœrus cylindricus, description, LEWIS, p. 148, t. c.
Pachylister **n. g.** for *Hister caffer* etc., LEWIS, p. 145, t. c.
Pachylomalus andrewesi, India, LEWIS, p. 147, t. c. **n. sp.**
Placodes brauni, S. Africa, LEWIS, p. 142, t. c. **n. sp.**
Plœsius mouhoti, *planulus*, *lævis*, redescribed, LEWIS, pp. 140, 141, t. c.
Platylister sororius, India, LEWIS, p. 142, t. c. **n. sp.**
Platysoma capense is *henningi* Sturm, *sculptum* Fåhr, *punctulatum* Lew., LEWIS, p. 144, t. c.
P. ruptistriatum, Java, LEWIS, p. 143, t. c. **n. sp.**
Probolosternus termitophilus, S. Africa, LEWIS, p. 148, t. c. **n. sp.**
Saprinus politus Brahm=(*pulcherrimus* Web.), BEDEL, p. 236, Abeille xxx ; *S. lateristrius* var. n. *laterimargo*, REITTER, p. 32, Wien. ent. Zeit. xxiii.
S. mimulus, Astrakhan, p. 29, *syphax*, Algiers, p. 30, *duriculus*, Transcaspian, p. 31, *refector*, Samarkand, p. 32, *netuschili*, Mongolia, *pseudolautus*, Transcaucasus, p. 33, *pseudognathoncus*, W. Caucasus, p. 34, REITTER, t. c.: *S. dichrous*, *flavopictus*, S. America, LEWIS, p. 150, Ann. Nat. Hist. xiv : **n. spp.**
Stenotrophis cavifrons, pl. vi, fig. 7, LEWIS, t. c.
Teinotarsus latipes, Old Calabar, LEWIS, p. 145, t. c. **n. sp.**
Teretriosoma sexualis, Texas, SCHAEFFER, p. 203, J. N. York Ent. Soc. xii, **n. sp.**

NITIDULIDÆ.

[Cf. GROUVELLE (639), POPPIUS (1094), SCHAEFFER (1220).]

Camptodes texanus, Brownsville, SCHAEFFER, p. 203, J. N. York Ent. Soc. xii, **n. sp.**
Epurœa opacula, E. Siberia, POPPIUS, p. 3, Ofv. Finska Forh. xlvi, No. 16, p. 5, **n. sp.**
Glischrochilus olivieri, synonymy, BEDEL, p. 236, Abeille 1904.
Meligethes atomus, Congo, GROUVELLE, p. 181, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Pocadius ferrugineus and *striatus*, synonymy, BEDEL, p. 236, Abeille 1904.

COLYDIIDÆ.

[Cf. GROUVELLE (639).]

Caprodes ater, Congo, GROUVELLE, p. 181, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Cerylon ovale, Gaboon, GROUVELLE, p. 182, t. c. **n. sp.**
Endophlœus markovichianus Pill. (=*spinosulus* Latr.), BEDEL, p. 236, Abeille xxx.
Minthea rugicollis Walk. (as *Ditoma*) = (*similatra* Pasc. = *Eulachus hispidus* Blackb. = *Lyctopholis foveicollis* Reitt.), ARROW, pp. 35, 36, Ent. Mag. xl.

RHYSODIDÆ.

Rhysodes ichthyocephalus, *abbreviatus*, p. 79, *mirabilis*, pl. iv, fig. 7, p. 80, Queensland, *trichostemus*, p. 81, Victoria and Tasmania, *planatus*, Victoria, p. 82, LEA, P. Linn. Soc. N. S. Wales xxix, **n. spp.**

CUCUJIDÆ.

[Cf. GROUVELLE (639), LEA (864), SCHAEFFER (1220).]

Dryocora walkeri, Tasmania, LEA, p. 87, pl. iv, fig. 5, P. Linn. Soc. N. S. Wales xxix, **n. sp.**
Læmophlœus diemenensis ♀, pl. iv, fig. 14, *frenchi*, fig. 4; LEA, p. 87, t. c.
L. notabilis, Congo, GROUVELLE, p. 183, Ann. Soc. ent. Belgique xlviii; *L. subopacus*, W. Australia, p. 82, *ubiquitosus*, Tasmania, p. 83, *pilosus*, p. 84, *testaceo-rufus*, W. Australia, *eucalypti*, Tasmania, p. 85, *pallidus*, Australia, p. 86, LEA, P. Linn. Soc. N. S. Wales xxix : **n. spp.**
Læmotmetus rhizophagoides Walk. (as *Trogossita*) = (*ferrugineus* Gerst. = *Oryzæcus cathartoides* Reitt. = *Asana rhizophagoides* Oll.), ARROW, p. 36, Ent. Mag. xl.
Silvanus proximus, p. 183, *frater*, p. 184, West Africa, GROUVELLE, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Platisus integricollis, larva, LEA, p. 88, pl. iv, fig. 6, P. Linn. Soc. N. S. Wales xxix.
Rhinomalus texanus, Brownsville, SCHAEFFER, p. 201, J. N. York Ent. Soc. xii : **n. sp.**

CRYPTOPHAGIDÆ.

[Cf. GABRIEL (577), SCHAEFFER (1220).]

Atomaria; mode of distinguishing species, table, GABRIEL, Zeitschr. Ent. Breslau xxix, pp. 85–89; *A. proliva* and *pulchra*, characters, GERHARDT, p. 83, Zeitschr. Ent. Breslau xxix.
Loberus ornatus, Texas, SCHAEFFER, p. 201, J. N. York Ent. Soc. xii : **n. sp.**
Tomarus chamæropis, Texas, SCHAEFFER, p. 202, t. c. **n. sp.**

LATHRIDIIDÆ.

[Cf. POPPIUS (1095), REITTER (1152), SEMENOW (1278).]

Corticaria solarii, Valle Lucano, REITTER, p. 156, Wien. ent. Zeit. xxiii : *C. dentiventris*, E. Siberia, POPPIUS, p. 84, Medd. Soc. Faun. Fenn. 1902/03 : **n. spp.**
Enicmus minutus and *anthracinus*, distinguished, REITTER, pp. 43–45, 80, Wien. ent. Zeit. xxiii.
Lar **subg. n.** of *Lathridius* for *L. bergrothi*, SEMENOW, p. 314, Rev. Russe Ent. 1904.
Lathridius subbrevis Motsch., characters, POPPIUS, p. 89, Medd. Soc. Faun. Fenn. 1902/03.
Lathridius semenowi, p. 87, *lenensis*, p. 91, East Siberia, POPPIUS, t. c.; *L. poppiusi*, E. Siberia, SEMENOW, p. 289, Rev. Russe Ent. 1904 : **n. spp.**

MYCETOPHAGIDÆ.

[Cf. GROUVELLE (639), REITTER (1153).]

Lithargus trimaculatus, p. 184, *variegatus*, p. 185, Congo, GROUVELLE, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Mycetophagus irroratus = (*tschitscherini* Reitt.), SEMENOW, p. 305, Rev. Russe Ent. 1904 ; *M. decempunctatus* var. n. *syriacus*, REITTER, p. 165, Wien. ent. Zeit. xxiii.

M. ramosus, Caucasus, id. p. 166, t. c., **n. sp.**

Typhœa stercorea L. 1758 = (*fumata* L. 1761), BEDEL, p. 235, Abeille xxx.

THORICTIDÆ.

Thorictus peyerimhoffi, Arabia, CHOBAUT, p. 243, Bull. Soc. ent. France 1904 ; *T. kaznakovi*, E. Buchara, SCHMIDT, p. 389, Annuaire Mus. St. Petersb. viii : **n. spp.**

DERMESTIDÆ.

[Cf. GANGLBAUER (580), PIC (1060, 1068, 1075).]

The European *Dermestidæ*, GANGLBAUER (580).

Attagenus biskrensis, Algeria, PIC, p. 2, Echange 1904 ; *A. longipennis*, Kashgar, PIC, p. 33, t. c. : **n. spp.**

Dermestes erichsoni **n. n.** for *tessellatus* Er., GANGLBAUER, p. 16, Käf. Mitteleur. iv.

Entomotrogus **n. g.** for *Trogoderma megatomoides* Reitt., GANGLBAUER, p. 33, t. c.

Ignotus ænigmaticus, figure, Ent. News Philad. xv, p. 36.

Telopes brunnescens, Amanus, PIC, p. 73, Echange xx, **n. sp.**

BYRRHIDÆ.

[Cf. BROUN (184), GANGLBAUER (580, 581), POPPIUS (1094).]

The *Byrrhidæ* of Europe, *Nosodendron*, a distinct family, *Nosodendridæ*, GANGLBAUER (580).

Byrrhus picipes judicarius subsp. n., GANGLBAUER, p. 200, Munchen. Kol. Zeitschr. ii.

Curimus vestitus, New Zealand, BROUN, p. 49, Ann. Nat. Hist. xiv, **n. sp.**

Simplocaria nivalis, Tyrol, GANGLBAUER, p. 61, Käf. Mitteleur. iv ; *S. nivalis*, Mt. Adamello, GANGLBAUER, p. 188, Munchen. Kol. Zeitschr. ii ; *S. obscuripes*, E. Siberia, p. 5, *palmeni*, p. 6, *arctica*, p. 7, N. Russia, *nebulosa*, E. Siberia, p. 9, POPPIUS, Ofv. Finska Forh. xlvi, No. 16, **n. spp.**

PARNIDÆ and HETEROCERIDÆ.

[Cf. GANGLBAUER (580, 582), GROUVELLE (640), SCHAEFFER (1220).]

Parnidæ to be called *Dryopidæ*, GANGLBAUER, p. 95, Käf. Mitteleur. iv.

Esolus solarii, Genoa, GANGLBAUER, p. 116, t. c. **n. sp.**

Latelmis subopaca, Val Pesio, GANGLBAUER, p. 118, t. c. **n. sp.**

Riolus apfelbecki, Servia, GANGLBAUER, p. 354, Munchen. Kol. Zeitschr. ii, **n. sp.**

Throscinus schwarzii, Texas, SCHAEFFER, p. 204, J. N. York Ent. Soc. xii, **n. sp.**
Heterocerus (*Littorimus*) *conjungens*, Bangkok, GROUVELLE, p. 83, Mission Pavie iii, **n. sp.**

PASSALIDÆ.

[Cf. ARROW (38), SHARP (1284), ZANG (1545, 1546).]

The stridulation of *Passalidæ*, ARROW, pp. 731–734, Tr. ent. Soc. London 1904.
Stridulation, *Passalidæ*, *Proculus*, SHARP, p. 273, Ent. Mag. xl.

Aceraius ; synonymy of the species, ZANG, p. 184, Tijdschr. Ent. xlvii.
Basilianus converifrons, Assam, ZANG, p. 698, Zool. Anz. xxvii, **n. sp.**
Ophrygonius **n. g.** near *Aceraius*, p. 697, *O. quadrifer* **n. sp.**, Borneo, p. 699, ZANG, t. c.
Parapelopides **n. g.** near *Aceraius*, p. 694, *P. symmetricus* **sp. n.**, p. 695, Borneo, ZANG, t. c.
Passalus distinctus, hab. America, Africa, Madagascar, ZANG, p. 181, Tijdschr. Ent. xlvii.
Pelops triumphator, Moluccas, ZANG, p. 182, t. c.

LUCANIDÆ.

[Cf. BOILEAU (141, 142, 143), BROUN (184), MOLLENKAMP (954).]

The stridulation of *Lucanidæ*, ARROW, pp. 735–737, Tr. ent. Soc. London 1904.

Cyclommatus giraffa, *montanellus*, Kina Balu, MÖLLENKAMP, p. 372, Ins. Börse 1904, **n. spp.**
Dorcus (*Eurytrachelus*) *brachycerus*, Kashmir, BOILEAU, p. 27, Bull. Soc. ent. France 1904 ; *D.* (*Macrodorcus*) *rugosus*, Madura, BOILEAU, p. 39, t. c. : **n. spp.**
Eurytrachelus reichei and allies, MÖLLENKAMP, p. 402, Ins. Börse 1904.
Hemisodorcus axis, Sumatra, BOILEAU, p. 284, Naturaliste 1904, **n. sp.**
Hexarthrius deyrollei var. n. *rufipes*, BOILEAU, p. 277, t. c.
H. rollei, Kina Balu, MÖLLENKAMP, p. 403, Ins. Börse 1904, **n. sp.**
Homoderus? *variegatus*, Cameroons, BOILEAU, p. 277, Naturaliste 1904, **n. sp.**
Metopodontus felschei, W. Africa, MÖLLENKAMP, Ins. Börse 1904, p. 372 ; *M. mirabilis*, Usambara, *speciosus*, Nilgherry hills, BOILEAU, p. 278, Naturaliste 1904 : **n. spp.**
Mitophyllus curvidens, New Zealand, BROUN, p. 50, Ann. Nat. Hist. xiv, **n. sp.**
Odontolabis waterstradti var. n. *kinabaluensis*, MÖLLENKAMP, Ins. Börse 1904, p. 341, *gazella telodont*, p. 348.
O. instabilis, Sumatra, p. 347, *imperialis*, Kina Balu, p. 348, MÖLLENKAMP, t. c. **n. spp.**
Prismognathus lucidus, Sikkim, BOILEAU, p. 278, Naturaliste 1904, **n. sp.**
Prosopocœlus boreli, Assam, *specularis*, Tanganyika, p. 284, *mordax*, Burma, p. 285, BOILEAU, t. c. ; *P. laticeps*, Himalaya, MÖLLENKAMP, p. 403, Ins. Börse 1904 : **n. spp.**
Sphenognathus bellicosus, *spinifer*, S. America, BOILEAU, p. 284, Naturaliste 1904, **n. spp.**

SCARABÆIDÆ.

Stridulation of the imago, ARROW, Tr. ent. Soc. London 1904, pp. 709–750, pl. xxxvi.

Coprini.

[Cf. ARROW (38), BLACKBURN (132, 133, 134), BOUCOMONT (159), FAIRMAIRE (473), FELSCHE & D'ORBIGNY (494), FRANÇOIS (539), KOLBE (830), LEA (864), MAYET (925), OHAUS (992), D'ORBIGNY (996, 997, 998), PÉRINGUEY (1028), REITTER (1152, 1155).]

Notes on classification, specially of the *Geotrupid* series, ARROW, Tr. ent. Soc. London 1904, pp. 738–749.

Ægidinus **n. g.** *Æ. brasiliensis* **n. sp.**, Ega, ARROW, p. 739, t. c.
Ægidium asperatum = (*colombianum* Bates), ARROW, p. 738, t. c.
Allotrypes **subg. n.** cf. *Geotrypes.*
Ammœcius felscheanus, Algeria, REITTER, p. 255, Wien. ent. Zeit. xxiii, **n. sp.**
Anachalcos schulzi, E. Africa, KOLBE, p. 285, Berlin. ent. Zeitschr. xlix, **n. sp.**
Aphodiides, revision of Australian, BLACKBURN, pp. 149–181, P. Soc. Victoria xvii.
Aphodius rufus = (*moscoviticus* Sem.), SEMENOW, p. 37, Rev. Russe Ent. iv ; *A. breviciliatus* **n. n.** for *fimbriolatus* Reitt. nec. Mannh., POPPIUS, p. 366, Annuaire Mus. St. Petersb. viii ; *A. tunicatus* and *tomentosus*, SEMENOW, p. 305, Rev. Russe Ent. 1904.
A. (*Æsymus*) *cuniculorum*, Nîmes, MAYET, p. 130, Bull. Soc. ent. France 1904 ; *A. andersoni*, p. 154, *suberosus*, p. 155, *insignior*, *baldiensis*, p. 156, Australia, BLACKBURN, P. Soc. Victoria xvii : **n. spp.**
Atænius moniliatus, p. 161, *koebelei*, p. 162, *imparilis*, p. 163, *sparsicollis*, *semicornutus*, p. 164, *tweedensis*, p. 165, *nudus*, *gibbus*, p. 166, *macilentus*, *spissus*, p. 167, *consors*, p. 168, *coloratus*, p. 169, *walkeri*, p. 170, Australia, BLACKBURN, t. c. **n. spp.**
Aulonocnemis, SCHAUFUSS in Ins. Börse xix, p. 130 (not seen by Recorder), described 4 **n. spp.** of this genus.
Bolboceras, revision of Australian, BLACKBURN, P. Linn. Soc. N. S. Wales xxix, pp. 481–526.
B. macleayi, p. 500, *aratum*, p. 502, *leovilli*, p. 503, *tenax*, p. 507, *froggatti*, *truncatum*, p. 509, *clypeale*, p. 511, *basedowi*, p. 512, *mandibulare*, p. 513, *loweri*, p. 515, *nitidiceps*, p. 516, *lævipes*, p. 517, *subretusum*, p. 518, *nitens*, p. 519, *impressicolle*, p. 520, *obscurius*, p. 522, *carinatum*, p. 523, *pontiferum*, p. 525, Australia, BLACKBURN, t. c. **n. spp.**
Caccobius reticuliger, p. 255, *gananensis*, p. 256, *longipennis*, p. 258, Africa, D'ORBIGNY, Ann. Mus. Genova xli ; *C. lateralis*, p. 417, *setifer*, p. 420, *callosifrons*, p. 421, *uniseries*, p. 423, W. Africa, D'ORBIGNY, t. c. : **n. spp.**
Copris camerunus, Africa, FELSCHE, p. 402, Arkiv Zool. i, **n. sp.**
Diastellopalpus albrechtianus, p. 290, *zeuneri*, p. 291, Cameroons, KOLBE, Berlin. ent. Zeitschr. xlix, **n. spp.**
Diastellopalpus orbignyi, Rhodesia, PÉRINGUEY, p. 224, Ann. S. African Mus. iii, **n. sp.**
Enoplotrupes ; revision, BOUCOMONT, pp. 210–214, with *sinensis* var. n. *crassicornis*, p. 212, BOUCOMONT, Rev. Ent. franc. 1904.
Epirrhinus, *flagellatus* Fabr. = (*granulatus* Oliv.), BEDEL, p. 152, Abeille xxx.
Euparia olliffi, N. S. Wales, BLACKBURN, p. 171, P. Soc. Victoria xvii, **n. sp.**
Geotrupes ; table of subgenera, pp. 214–216, the Asiatic species, pp. 216–247,

BOUCOMONT, Rev. Ent. franc. 1904 ; *Geotrypes* **subg. n.** *Allotrypes* for *G. mandibularis* Reitt., *G. distinctus*, characters, p. 65, *marginatus*, *intermedius*, *lævigatus*, synonymy, pp. 66, 67, FRANÇOIS, Bull. Soc. ent. France 1904 ; *G. niger* Marsh. = (*hypocrita* Serv.), BEDEL, p. 152, Abeille xxx, *G.* (*Thorectes*) *intermedius* Costa = (*lævigatus* Muls., Auctt., nec Fabr. = *cheroni* Croiss., id. l. c. ; *G. vernalis*, *stercorarius*, natural history, larvæ, OHAUS, pp. 103–108, Verh. Ver. Hamburg Unterh. xii.

G. (*Thorectes*) *punctato-lineatus*, S. E. Spain, FRANÇOIS, p. 141, Bull. Soc. ent. France 1904 ; *G. genestieri*, China, p. 220, *G.* (*Phelotrupes*) *variolicollis*, Yunnan, *indicus*, N. India, p. 226, *immarginatus*, Se-tschuen, p. 231, *oberthuri*, *denticulatus*, p. 232, Siao-Lou, *G.* (*Odontotrupes* **subg. n.**), p. 236, *purpurei-punctatus*, p. 239, Se-tschuen, *taurus*, Centr. Asia, p. 240, *rufipes*, p. 242, *G.* (*Thorectes*) *armatus*, p. 246, Se-tschuen, BOUCOMONT, Rev. Ent. franc. 1904 : **n. spp.**

Gymnopleurus, *coriarius* Herbst. = (*flagellatus* Fabr., auctt.), BEDEL, p. 152, Abeille xxx.

Heliocopris felschei, E. Africa, KOLBE, p. 287, Berlin. ent. Zeitschr. xlix, **n. sp.**

Hybosorides ; the Australian, BLACKBURN, p. 180, P. Soc. Victoria xvii.

Idiostoma **n. g.** and n. subfam., p. 740, *I. rufum*, pl. xxxvi, fig. 1, *medon* **n. spp.**, Patagonia, p. 741, ARROW, Tr. ent. Soc. London 1904.

Lethrus (*Ceratodirus*), synonymy, REITTER, pp. 83, 84, Wien. ent. Zeit. xxiii ; *L. cephalotes*, combats, HAJOSS, pp. 8–10, Rov. Lapok xi.

L. (*Microlethrus*) *mithras*, Persia, REITTER, p. 256, Wien. ent. Zeit. xxiii, **n. sp.**

Liatongus basicornis, Madagascar, FAIRMAIRE, p. 225, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Milichus rhodesianus, S. Africa, PÉRINGUEY, p. 222, Ann. S. African Mus. iii, **n. sp.**

Ochodæus maculipennis, Java, pl. xxxvi, fig. 3, p. 743, *decoratus*, Penang, *campsognathus*, fig. 2, Argentina, p. 744, *tridentatus*, Colombia, p. 745, ARROW, Tr. ent. Soc. London 1904, **n. spp.**

Odontotrupes **subg. n.** cf. *Geotrupes*.

Oniticellus tibatensis, Cameroons, KOLBE, p. 295, Berlin. ent. Zeitschr. xlix ; *O. sjostedti*, Cameroons, FELSCHE, p. 403, Arkiv Zool. i : **n. spp.**

Onthophagus granulum n. n. for *granum* d'Orb., *O. minutus* Hausm. = (*rusticus* Boh.), *setosus* = (*cretus* Pér.), *criniger* n. n. for *crinitus* d'Orb., p. 326, *fulleborni* Kolbe = (*hauseri* d'Orb.), *nyassicus* Kolbe = (*tridepressus* d'Orb.), p. 328, D'ORBIGNY, Ann. Mus. Genova xli ; *O. transcaspicus* Koen. = (*lineatus* Reitt.), REITTER, p. 25, Wien. ent. Zeit. xxiii.

O. sjostedti, Cameroons, D'ORBIGNY, p. 407, Arkiv Zool. i ; *O. ragazzii*, p. 261, *traversii*, p. 262, *æremicans*, p. 264, *rufovirens*, p. 266, *calous*, p. 268, *impunctatus*, p. 271, *astigma*, p. 273, *flavibasis*, p. 274, with varr. *lineiger*, *mundatus*, p. 275, *stillatus*, p. 277, *choanicus*, p. 279, *lævis*, p. 281, *hirtipodex*, p. 283, *longiceps*, p. 285, *gestroi*, p. 287, *bituber*, p. 289, *carinifer*, p. 292, *concavifrons*, p. 294, *scaberrimus*, p. 296, *unicarina*, p. 298, *investis*, p. 301, *piceiceps*, p. 304, *O.* (*Phalops*) *gallanus*, p. 309, *O.* (*Proagoderus*) *flexicollis*, p. 314, *triarmatus*, p. 320, Africa, D'ORBIGNY, Ann. Mus. Genova xli ; *O. nitidifrons*, p. 425, *inconstans*, p. 426, *miles*, p. 428, *nonstriatus*, p. 430, *bidentiger*, p. 433, *imbellis*, p. 434, *feai*, p. 436, *androgynus*, p. 439, *curtipilis*, p. 440, *mucronifer*, p. 442, *altidorsis*, p. 443, W. Africa, D'ORBIGNY, t. c. ; *O. cupreovirens*, p. 204, *adornatus*, p. 205, *arcifer*, p. 206, *anthracites*, p. 208, *bocandei*, p. 209, *minax*, p. 210, *durivieri*, p. 211, *semiviridis*, p. 212, *tschoffeni*, p. 213, *flavorufus*, p. 215, *rufaticollis*,

p. 216, *O.* (*Proag.*) *superbus*, p. 217, *prædentatus*, p. 218, *marginidens*, p. 220, Africa, D'ORBIGNY, Ann. Soc. ent. Belgique xlviii ; *O. placens*, p. 219, *prætortus*, *decedens*, p. 220, *serenus*, p. 221, *rhynchophorus*, p. 222, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii ; *O. carteri*, N.S.W., p. 147, *jungi*, S. Australia, p. 148, BLACKBURN, P. Soc. Victoria xvii : **n. spp.**

Orphnus striatopunctatus, Cameroons, FELSCHE, p. 405, Arkiv Zool. i, **n. sp.**

Panelus pygmæus Macl. = (*arthuri* Blackb.), LEA, p. 89, P. Linn. Soc. N. S. Wales xxix.

Phycochus ; tarsal structure, LEA, p. 90, t. c.

P. sulcipennis, Tasmania, id. p. 89, pl. iv, fig. 10, t. c. **n. sp.**

Pleurophorus cæsus = (*Atænius rugiceps* Dury), BEDEL, p. 152, Abeille xxx.

Psammodius australicus, *obscurior*, Australia, BLACKBURN, p. 174, P. Soc. Victoria xvii, **n. spp.**

Pseudopedaria **n. g.** for *Pedaria grossa* Th., FELSCHE, p. 400, Arkiv Zool. i.

Rhyssemus ; synonymy of French species, CHOBAUT, pp. 90–92, Bull. Soc. Nimes xxxi.

Saprosites mansuetus, p. 175, *sternalis*, p. 176, Australia, BLACKBURN, P. Soc. Victoria xvii, **n. spp.**

Saprus **n. g.** near *Saprosites*, p. 178, *S. griffithi* **n. sp.**, Tasmania, p. 179, BLACKBURN, t. c.

Thorectes nitidus, characters, synonymy, *latus* = (*inflatus* Reitt.), *rugosicollis* = (*chalconotus* Cherr.), *semisericeus* = (*rugatulus* Jck.), *punctulatus* = (*branczíki* Apf.), id. p. 140, Bull. Soc. ent. France 1904.

Thyregis **n. g.** *Scatonomides*, p. 145, *T. kershawi* **n. sp.**, Victoria, p. 146, BLACKBURN, P. Soc. Victoria xvii.

Tomogonus **subg. n.** for *Caccobius castaneus*, D'ORBIGNY, p. 254, Ann. Mus. Genova xli.

Trox ; Australian, synonymy, descriptions and tables, BLACKBURN, pp. 281–296, Tr. R. Soc. S. Austral. xxviii.

T. demaisoni, Asia Minor, REITTER, p. 156, Wien. ent. Zeit. xxiii ; *T. nigrociliatus*, *raduloides*, p. 293, *annexus*, *massaicus*, *erlangeri*, *neumanni*, p. 293, *amitinus*, p. 294, Africa, KOLBE, Berlin. ent. Zeitschr. xlix ; *T. tasmanicus*, Tasmania, *setosipennis*, p. 292, *eyrensis*, p. 293, *tricolor*, p. 295, *perhispidus*, p. 296, Australia, BLACKBURN, Tr. R. Soc. S. Austral. xxviii : **n. spp.**

Glaphyrini.

Synopsis of *Glaphyrus*, with identification of sexes and synonymy, CHAMPENOIS, Abeille xxx, pp. 137–151.

Hemiglaphyrus **subg. n.** p. 145, t. c., for *caucasicus* and *modestus*.

Melolonthini.

[Cf. BROUN (184), FAIRMAIRE (473, 474), PÉRINGUEY (1027), PIC (1068).]

The *Melolonthini* of S. Africa, systematic work, PÉRINGUEY, Tr. S. African Soc. xiii, pp. 1–293.

Ablabera hottentota, p. 79, *transvaalica*, *hirticollis*, p. 80, *capicola*, p. 81, *gravidula*, *gratula*, p. 82, *modesta*, *amœna*, p. 83, *matabelena*, *hopeiana*, p. 84, S. Africa, PÉRINGUEY, Tr. S. African Soc. xiii, **n. spp.**

Abladeroides ditissimus, *pavoninus*, p. 62, *emeritus*, *lætulus*, p. 64, *tardus*, *pauper*, *cognatus*, p. 66, *namaquanus*, p. 68, *quæsitus*, *decedens*, *ominosus*, p. 70, S. Africa, PÉRINGUEY, t. c. **n. spp.**

Achelyna testacea, Transvaal, PÉRINGUEY, p. 154, t. c. **n. sp.**

Achloa delicatula, *blandula*, *echinaticeps*, S. Africa, PÉRINGUEY, t. c. **n. spp.**
Ægostetha simplex, p. 122, *brachiata*, p. 124, S. Africa, PÉRINGUEY, t. c. **n. sp.**
Aipeiopsis **n. g.** *Pachypodinæ*, p. 160, *A. hirsuta* **n. sp.**, Cape Colony, p. 161, PÉRINGUEY, t. c.
Allokotarsa **n. g.** near *Serica*, p. 36, *A. rotundicollis*, *clypeata* **n. spp.**, S. Africa, p. 37, PÉRINGUEY, t. c.
Alogistotarsa **n. g.** *Sericinæ*, p. 39, *A. straminea*, *ovampoana* **n. spp.**, S. Africa, p. 40, PÉRINGUEY, t. c.
Amphimallus fuscus, metamorphosis, XAMBEU, p. 33, Naturaliste 1904; *A. pygialis*, habits etc., CLERMONT, pp. 104–106, Bull. Soc. ent. France 1904.
Anoxiella Reitt. = (*Schistocometa* Brenske), REITTER, p. 24, Wien. ent. Zeit. xxiii.
Apogonia improba, *mashona*, Rhodesia, PÉRINGUEY, p. 292, Tr. S. African Soc. xiii, **n. sp.**
Arraphytarsa **n. g.** *Sericinæ*, *A. damarina* **n. sp.**, S. Africa, PÉRINGUEY, p. 39, t. c.
Atys hybrida, p. 253, *inscita*, *inverta*, p. 254, *infans*, *straminea*, p. 256, *fallax*, *hypocrita*, p. 257, *simplex*, *humilis*, p. 258, S. Africa, PÉRINGUEY, t. c. **n. spp.**
Autoserica tessellata, p. 11, *annectens*, *A.* (*Lepiserica*) *partula*, p. 12, *proteana*, *australis*, p. 13, *A. rhodesiana*, *concordans*, p. 14, *distinguenda*, p. 15, S. Africa, PÉRINGUEY, t. c. **n. spp.**
Beriqua **n. g.** *Schizonychides*, p. 185, *B. modesta* **n. sp.**, Cape Colony, p. 186, PÉRINGUEY, t. c.
Brachylepis hauseri (Brenske), Zambesi, PÉRINGUEY, p. 288, **n. sp.**
Camenta transvaalensis, *lydenburgiana*, *capicola*, p. 95, *salisburiana*, *modesta*, p. 96, *coriacea*, p. 97, *simillima*, *inops*, p. 98, *tongaatsana*, p. 99, *pilosella*, *caffrina*, p. 100, *tumida*, *rhodesiana*, p. 101, *matabelena*, *zambesina*, p. 102, *mashona*, p. 103, S. Africa, PÉRINGUEY, t. c. **n. spp.**
Clitopa zambesina, p. 150, *præcalva*, p. 151, S. Africa, PÉRINGUEY, t. c. **n. spp.**
Clypeasta **n. n.** for *Clypearia* Fairm. 1903, FAIRMAIRE, p. 226, Ann. Soc. ent. Belgique xlviii.
Coniopholis proxima, Transvaal, PÉRINGUEY, p. 273, Tr. S. African Soc. xiii, **n. sp.**
Cyclomera riklatlensis, Mozambique, PÉRINGUEY, p. 140, t. c. **n. sp.**
Diaphoroserica **n. g.** *D. mashona* **n. sp.**, S. Africa, PÉRINGUEY, t. c.
Doleroserica **n. g.** p. 53, *D. gentilis*, *lætula*, p. 54, *festa*, *auspicata*, p. 55, **n. spp.**, S. Africa, PÉRINGUEY, t. c.
Dolerotarsa **n. g.** near *Serica*, *D. emendatrix* **n. sp.**, Transvaal, PÉRINGUEY, p. 38, t. c.
Empecta latipennis, Madagascar, FAIRMAIRE, p. 126, Ann. Soc. ent. Belgique xlviii, **n. sp.**
E. subcostata, Madagascar, FAIRMAIRE, t. c. **n. sp.**
Entyposis mendax, Rhodesia, PÉRINGUEY, p. 259, Tr. S. African Soc. xiii, **n. sp.**
Etiserica **n. g.** p. 23, *E. simplex* **n. sp.**, Rhodesia, p. 24, PÉRINGUEY, t. c.
Eulepida tschindeana, Mozambique, PÉRINGUEY, p. 285, t. c. **n. sp.**
Euronycha **n. g.** near *Triodonta*, p. 30, *E. rhodesiana*, *sebakuana* **n. spp.**, S. Africa, p. 32, PÉRINGUEY, t. c.
Gamka **n. g.** *Pachypodinæ*, p. 159, *G. minuta* **n. sp.**, Cape Colony, p. 160, PÉRINGUEY, t. c.
Glyptoglossa dispar, *namaquensis*, Cape Colony, PÉRINGUEY, t. c. **n. spp.**
Gryphonycha **n. g.** for *Puberula* Fahr., PÉRINGUEY, p. 30, t. c.
Holisonycha **n. g.** near *Schizonycha*, *H. mellila* **n. sp.**, Cape Colony, PÉRINGUEY, p. 261, t. c.

Hoplia (*Decamera*) *hauseri*, Turkestan, REITTER, p. 157, Wien. ent. Zeit. xxiii, **n. sp.**

Hoplolontha **n. g.** *paviei* **n. sp.**, Cambodia, FAIRMAIRE, p. 87, pl. ix bis, fig. 3, Mission Pavie iii.

Hyboserica **n. g.** *H. globuliformis*, Brenske and *Triodonta caffra*, PÉRINGUEY, p. 27, Tr. S. African Soc. xiii.

Idæcamenta **n. g.** *I. jucunda* **n. sp.**, S. Africa, p. 112, PÉRINGUEY, t. c.

Idæserica **n. g.** p. 32, *I. gratula* **n. sp.**, S. Africa, p. 33, PÉRINGUEY, t. c.

Kraseophylla **n. g.** near *Macrophylla*, p. 134, *K. distincta* **n. sp.**, Cape Colony, p. 135, PÉRINGUEY, t. c.

Lachnosterna pinguis, Cambodia, FAIRMAIRE, p. 88, Mission Pavie iii, **n. sp.**

Leribe **n. g.** p. 113, *L. vesca* **n. sp.**, Natal, PÉRINGUEY, Tr. S. African Soc. xiii.

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Melolontha, periodicity in Hungary, LÓSY, pp. 301, 304, Allatt. Kozl. Magyar Tars. iii.

Microcamenta sebakuensis, p. 87, *ovampoensis*, p. 88, S. Africa, PÉRINGUEY, Tr. S. African Soc. xiii, **n. spp.**

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Neoserica transvaalensis, S. Africa, PÉRINGUEY, p. 22, Tr. S. African Soc. xiii, **n. sp.**

Oocamenta **n. g.** p. 105, for *C. rufiventris* Burm. and *O.* (*Pseudocamenta* subg. n.) *transvaalia* **sp. n.**, Transvaal, p. 107, PÉRINGUEY, t. c.

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Phytolæma herrmanni and *Rivera plebeia*, injurious habits, larvæ, RIVERA, pp. 241 etc., Revist. chilena viii.

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Prodontria **n. g.** p. 53, for *P. lewisii* **n. sp.**, New Zealand, p. 54, BROUN, Ann. Nat. Hist. xiv.

Pseudachloa **n. g.** p. 162, *P. leonina* **n. sp.**, S. Africa, p. 163, PÉRINGUEY, Tr. S. African Soc. xiii.

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Serica (*Ophthalmoserica*) *rosinæ*, Amurland, PIC, p. 33, Echange 1904, **n. sp.**

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Tlaocera **n. g.** near *Macrophylla*, *T. saga* **n. sp.**, Cape Colony, PÉRINGUEY, p. 133, t. c.

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Rutelini.

[Cf. BATES (92), FAIRMAIRE (473, 474), JACOBSON (740), OHAUS (990, 991).]

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Adoretus ampliatus, p. 226, *rugosohirtus*, p. 227, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Amblyterus clypealis, Australia, OHAUS, p. 165, Stettin Ent. Zeit. lxv, **n. sp.**

Anomala gudzenkoi, Mantchuria, JACOBSON, p. xiii, Annuaire Mus. St. Petersb. viii, **n. sp.**

Anoplognathus acuminatus, Australia, OHAUS, p. 105, Stettin Ent. Zeit. lxv, **n. sp.**

Antichira meridionalis, injurious in Jamaica, PANTON, p. 117, Bull. Dep. Agric. Jamaica ii.

Callichloris helleri, p. 334, *kirschi*, p. 335, *bessleri*, p. 336, Peru and Colombia, OHAUS, Stettin Ent. Zeit. lxv, **n. spp.**

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Hoplopelidnota **n. g.** *H. candezei* **n. sp.**, Cayenne, p. 274, BATES, t. c.

Hoplognathus maculatus=(*Pelidn. bimaculata* Cast.), ARROW, p. 260, Tr. ent. Soc. London 1904.

Lasiocala ohausi, Colombia, BATES, p. 273, Tr. ent. Soc. London 1904, **n. sp.**

Mecopelidnota **n. g.** p. 270, *M. arrowi*, Ecuador, **n. sp.** p. 271, and including *P. cylindrica* Waterh., BATES, t. c.

Microrutela **n. g.** for *Chalcentis cærulea* and *lauta*, BATES, p. 250, t. c.

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Phalangogonia debilidens, Costa Rica, OHAUS, p. 271, Stettin Ent. Zeit. lxv, **n. sp.**

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Plusiotis cupreomarginata, Costa Rica, BATES, p. 272, Tr. ent. Soc. London 1904, **n. sp.**

Pseudoschizognathus **n. g.**, p. 145, *P. variicollis*, p. 146, *schonfeldti*, p. 147, **n. spp.**, Australia, OHAUS, Stettin Ent. Zeit. lxv.

Rutela versicolor Latr.=(*Pelidn. venezuelensis* G. & H.), ARROW, p. 260, Tr. ent. Soc. London 1904.

Saulostomus felschei, p. 156, *weiskei*, p. 157, Australia, OHAUS, Stettin Ent. Zeit. lxv, **n. spp.**

Schizognathus burmeisteri, p. 138, *viridiæneus*, p. 140, *lucidus*, p. 142, Australia, OHAUS, t. c. **n. spp.**

Trioplognathus **n. g.** for *griseopilosus* Oh., OHAUS, p. 133, t. c.

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[Cf. BRETHES (175), BROUN (184), KOLBE (830), STERNBERG (1344).]

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Cyclocephala tucumana, p. 330, *andina*, p. 331, Tucuman, BRÈTHES, An. Mus. Buenos Aires xi, **n. spp.**

Peltonotus morio, ♂, FAIRMAIRE, p. 88, Mission Pavie iii.

Pentodon subdilatatus, *idiota*, note, pp. xv–xvii; *P. reitteri* n. n., p. xvi, JAKOVLEV, Annuaire Mus. St. Petersb. ix.

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Temnorrhynchus glauningi, Lake Tchad, KOLBE, p. 295, Berlin. ent. Zeitschr. xlix, **n. sp.**

Cetoniini.

[Cf. FAIRMAIRE (473, 474), HAUSER (664), HEATH (668), KOLBE (830, 831), MOSER (964, 965), PIC (1075), PREISS (1106).]

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Amaurina polysticta var. n. *picticollis*, MOSER, p. 66, Berlin. ent. Zeitschr. xlix.

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Anochilia subvidua, p. 227, *laterivirens*, p. 228, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Bothrorrhina nickerli ♀, HELLER, p. 12, Deutsche ent. Zeitschr. 1904; *B. rufonasuta* Fairm. = (*nickerli* Hell.), HELLER, p. 303, t. c.

Brachymitra **n. g.** near *Compsocephalus*, *B. thomasi* **n. sp.**, E. Africa, KOLBE, p. 297, Berlin. ent. Zeitschr. xlix.

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Clinteria usambarica, E. Africa, MOSER, p. 60, Berlin. ent. Zeitschr. xlix, **n. sp.**

Cœlorrhina cornuta, E. Africa, p. 101, fig. 2, HEATH, Entomologist 1904, **n. sp.**

Coptomia bontempsi, characters, FAIRMAIRE, p. 229, Ann. Soc. ent. Belgique xlviii.

C. castanoptera, Madagascar, FAIRMAIRE, p. 228, t. c. **n. sp.**

Cyclophorus marginicollis, Sao-Thomé, MOSER, p. 59, Berlin. ent. Zeitschr. xlix, **n. sp.**

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Diphrontis hintzi, E. Africa, MOSER, p. 70, t. c. **n. sp.**

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Euchilia laxecostata, *saturata*, *protensa*, *externecostata*, Madagascar, FAIRMAIRE, p. 230, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Eucosma flavosignata, Sao-Thomé, MOSER, p. 64, Berlin. Ent. Zeitschr. xlix, **n. sp.**

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Hoplitovalgus **n. g.** *H. fallaciosus* **n. sp.**, Borneo, KOLBE, p. 49, Stettin Ent. Zeit. lxv.

Hybovalgus **n. g.** p. 55, *H. bioculatus* **n. sp.**, Tonkin, p. 56, KOLBE, t. c.; *H. tonkinensis*, *fulvosquamosus*, Tonkin, MOSER, p. 272, Berlin. ent. Zeitschr. xliv, **n. spp.**

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Neophædimus melaleucus, pl. ix bis, fig. 4, p. 89, FAIRMAIRE, Mission Pavie iii.

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Pachnoda discolor var., pl. i, fig. 2, p. 19, PREISS, Jahrb. nassau. Ver. lvii.

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Syngonovalgus **n. g.** p. 28, *S. subnitidus* **n. sp.**, Borneo and Sumatra, p. 29, KOLBE, Stettin Ent. Zeit. lxv.

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BUPRESTIDÆ.

[Cf. ABEILLE (1, 5), ESCALERA (467), FAIRMAIRE (473), FAUVEL (486), JAKOVLEFF (752, 753), KERREMANS (786, 787), PIC (1065), RAINBOW (1119), REITTER (1141, 1155), SCHAEFFER (1220), THÉRY (1377, 1378), WATERHOUSE (1491).]

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Chrysaspis; synonomy, WATERHOUSE, pp. 344–347, t. c.

C. glabra, p. 344, *tincta*, *dubia*, *bennettii*, p. 346, *higletti*, p. 347, Africa, WATERHOUSE, Ann. Nat. Hist. xiv, **n. spp.**

Chrysobothris amurensis, Amurland, PIC, p. 25, Echange 1904; *C. musæ*, Ceylon, THÉRY, p. 160, Ann. Soc. ent. Belgique xlviii; *C. purpureoplagiata*, Arizona, p. 206, *beyeri*, *peninsularis*, Lower California, p. 207, *subapaca*, (sic) Tulare, p. 208, SCHAEFFER, J. N. York Ent. Soc. xii : **n. spp.**

Chrysochroa fruhstorferi, Tonkin, *thelwalli*, Nyassa, WATERHOUSE, p. 266, Ann. Nat. Hist. xiv, **n. spp.**

Cinyra prosternalis, Texas, SCHAEFFER, p. 205, J. N. York Ent. Soc. xii, **n. sp.**

Compsoglypha **n. g.** near *Psiloptera*, *C. perrieri* **n. sp.**, Madagascar, FAIRMAIRE, p. 233, Ann. Soc. ent. Belgique xlviii.

Conognatha mayeti, Peru, THÉRY, p. 75, Bull. Soc. ent. France 1904, **n. sp.**

Corœbus helichrysi, France, ABEILLE, p. 282, Bull. Soc. ent. France 1904, **n. sp.**

Cylindromorphus turkestanicus, Turkestan, ABEILLE, p. 224, Bol. Soc. espan. iv, **n. sp.**

Demochroa bowringi, N. India, *meldolana*, Andamans, WATERHOUSE, p. 265, Ann. Nat. Hist. xiv, **n. spp.**

Dicerca; table of palæarctic, REITTER, pp. 21–24, Wien. ent. Zeit. xxiii.

D. miranda, Herzegowina, id. t. c. p. 24, **n. sp.**

Discoderes polychrous, *cavifrons*, Madagascar, FAIRMAIRE, p. 234, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Julodis onopordi variation, varr. n. *longicollis*, *derasa*, etc., ABEILLE, pp. 207–210, Bol. Soc. espan. iv.

J. escaleræ, *monstrosa*, Persia, ABEILLE, p. 206, t. c. **n. spp.**

Lampropepla **n. n.** for *Madecassia* Kerr., *L. ophthalmica* **n. sp.**, Madagascar, FAIRMAIRE, p. 231, Ann. Soc. ent. Belgique xlviii.

Mastogenius reticulaticollis, Texas, SCHAEFFER, p. 210, J. N. York Ent. Soc. xii, **n. sp.**

Melanophila sumptuosa, Spain, ABEILLE, p. 214, Bol. Soc. espan. iv, **n. sp.**

Nalanda **n. g.** near *Melibœus*, *N. horni* **n. sp.**, Ceylon, THÉRY, p. 160, Ann. Soc. ent. Belgique xlviii.

Paracastalia longipennis, p. 249, *bettoni*, p. 250, *variegata*, p. 251, Africa, WATERHOUSE, Ann. Nat. Hist. xiv, **n. spp.**

Polybothris pulchriventris, p. 232, *pygidialis*, p. 233, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Polycesta; synonymy, WATERHOUSE, pp. 254–258, Ann. Nat. Hist. xiv.

P. alternans, Mexico, *regularis*, St Domingo, p. 256, *gossei*, Jamaica, p. 257, *variegata*, Mexico, p. 258, WATERHOUSE, t. c. **n. spp.**

Ptosima; only one Pal. species; *P.* 11-*maculata* var. n. *intermedia*, DEMAISON, p. 285, Bull. Soc. ent. France 1904; *P. amalibis* var. n. *hieroglyphica*, THÉRY, p. 158, Ann. Soc. ent. Belgique xlviii.

Rhœboscelis texana, Brownsville, SCHAEFFER, p. 211, J. N. York Ent. Soc. xii, **n. sp.**

Sphenoptera luctifica n. n. for *luctuosa* Jak., JAKOVLEFF, p. 310, Rev. Russe Ent. 1904; *S. perroteti* var. n. *rugosiventris*, THÉRY, p. 159, Ann. Soc. ent. Belgique xlviii.

S. (*Hoplandrocneme*) *venusta*, Tiflis, JAKOVLEFF, p. 309, Rev. Russe Ent. 1904; *S. longipennis*, Issyk-Kul, p. 174, *cæsia*, Buchara, p. 175, *luctuosa*, Dsungaria, p. 177, *S.* (*Hoplistura*) *ligulata*, Persia, p. 178, *grata*, Cairo, p. 180, *S.* (*Chrysoblemma*) *seriola*, Algeria, p. 181, *S.* (*Chilostetha*) *cauta*, Syria, p. 183, *S.* (*Deudora*) *caspica*, p. 184, Caspian, JAKOVLEFF, Horæ Soc. ent. Ross. xxxvii; *S. horni*, Ceylon, THÉRY, p. 159, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Steraspis arabica, Muscat, WATERHOUSE, p. 348, Ann. Nat. Hist. xiv, **n. sp.**

Sternocera; much synonymy, WATERHOUSE, pp. 245–248, t. c.

S. druryi, Sudan, *stevensii*, Africa, WATERHOUSE, p. 247, t. c. **n. spp.**

Stigmodera cydista, Sydney, RAINBOW, p. 246, Rec. Austral. Mus. v, **n. sp.**

Strobilodera gastoni, E. Africa, THÉRY, p. 74, Bull. Soc. ent. France 1904, **n. sp.**

Trachys horni, p. 165, *bellicosa*, p. 166, *pretiosus*, *centrimaculatus*, p. 167, Ceylon, THÉRY, Ann. Soc. ent. Belgique xlviii, **n. spp.**

EUCNEMIDÆ.

[Cf. BLANCHARD (135), FAIRMAIRE (473), FAUVEL (486).]

Cephalodendron sicardi, Madagascar, FAIRMAIRE, p. 235, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Dromœolus hospitalis, California, BLANCHARD, p. 187, Ent. News Philad. xv, **n. sp.**

Fornax caledonicus, p. 121, *ferrugineus*, *brevicornis*, *soricinus*, p. 122, New Caledonia, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**

ELATERIDÆ.

[Cf. CARRET (246), DU BUYSSON (214, 215, 216), DANIEL & DANIEL (349), FAIRMAIRE (473), FAUVEL (486), FLEUTIAUX (518), PIC (1059, 1065), RAINBOW (1119), REITTER (1151, 1152, 1156), SCHWARZ (1265, 1266).]

Adelocera subaurata, Ceylon, SCHWARZ, p. 46, Spolia Zeylan. ii, **n. sp.**
Æolus dimidiatofasciatus, Sao Paulo, SCHWARZ, p. 71, Deutsche ent. Zeitschr. 1904, **n. sp.**
Agriotes conspicuus, characters, DU BUYSSON, p. 1, Rev. Ent. franc. xxiii.
Agriotes dilatatícoxis, Morocco, DU BUYSSON, p. 42, t. c.; *A. nigropubens*, Asia Minor, REITTER, p. 158, Wien. ent. Zeit. xxiii : **n. spp.**
Anoplischius mutabilis, variation, SCHWARZ, p. 11, Deutsche ent. Zeitschr. 1904; *A. anguineus* Er. = (*basalis* = *femoralis* Schw.), id. p. 15, t. c.
A. mutabilis, p. 51, *æneipennis*, p. 52, *trivitattus*, p. 53, *punctatissimus*, p. 54, *nigrolaterus*, p. 55, S. America, SCHWARZ, t. c. **n. spp.**
Athous uncicollis varr. n. *gredosanus* and *uhagoni*, REITTER, p. 237, Bol. Soc. espan. iv.
A. subvirgatus, Venetia, K. DANIEL, p. 79, Munchen. Kol. Zeitschr. ii; *A. villardi*, Genoa, CARRET, p. 170, Bull. Soc. ent. France 1904; *A.* (*Stenagostus*) *laufferi*, p. 236, *A.* (*Nomopleus*) *discors*, p. 237, *martinezi*, *longissimus*, p. 238, *A.* (*Gripathous*) *bolivari*, p. 239, Spain, REITTER, Bol. Soc. espan. iv; *A. bagdadensis*, Bagdad, p. 6, *uhagoni*, Spain, p. 7, DU BUYSSON, Rev. Ent. franc. xxiii; for further notes on these and their possible synonymism, cf. t. c. pp. 156, 157; *A. eximius*, p. 58, *insulsus*, p. 59, Amurland, *nadari*, Basses Pyrénées, p. 60, DU BUYSSON, Bull. Soc. ent. France 1904 : **n. spp.**
Atractosomus angustus, p. 59, *pedestris*, p. 60, Brazil, SCHWARZ, Deutsche ent. Zeitschr. 1904; *A. testaceipennis*, Brazil, SCHWARZ, p. 70, Deutsche ent. Zeitschr. 1904 : **n. spp.**
Campylus korbi, Amurland, PIC, p. 25, Echange 1904, **n. sp.**
Cardiophorus eliasi, Amanus Mts., PIC, p. 298, Bull. Soc. ent. France 1904; *C. æneipennis*, Madagascar, FLEUTIAUX, p. 12, Bull. Soc. ent. France 1904 : **n. spp.**
Cardiorhinus divaricatus, p. 62, *intermedius*, p. 63, *ruficollis*, p. 64, *infernus*, p. 65, *dimidiatus*, p. 66, *collaris*, p. 67, *cylindricus*, p. 68, Brazil, SCHWARZ, Deutsche ent. Zeitschr. 1904, **n. spp.**
Clon cerambycinus, ♀, SEMENOV, p. 120, Rev. Russe Ent. iv.
Corymbitodes **subg. n.** of *Ludius*, *C. longicollis* **n. sp.**, Amurland, DU BUYSSON, p. 58, Bull. Soc. ent. France 1904.
Cosmesus posticinus, Brazil, SCHWARZ, p. 69, Deutsche ent. Zeitschr. 1904; *C. cruciger*, p. 79, *atomus*, Argentina, *chiliensis*, *minusculus*, Chili, p. 80, SCHWARZ, t. c. : **n. spp.**
Didymolophus **n. g.** near *Dichelonychus*, p. 235, *D. perrieri* **n. sp.**, Madagascar, p. 236, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii.
Elater gelincki, Herzegowina, REITTER, p. 148, Wien. ent. Zeit. xxiii; *E. nigrita*, *frontalis*, p. 128, *marginellus*, p. 129, New Caledonia, FAUVEL, Rev. Ent. franc. 1904 : **n. spp.**
Grammophorus bruchi, Argentina, p. 71, *minor*, Chili, p. 72, SCHWARZ, Deutsche ent. Zeitschr. 1904, **n. spp.**
Horistonotus bicolor, Sydney, RAINBOW, p. 246, Rec. Austral. Mus. v, **n. sp.**
Ischiodontus laterus, p. 55, *testaceus*, p. 56, *æneus*, p. 57, *bivittatus*, p. 58, *ellipticus*, p. 59, S. America, SCHWARZ, Deutsche ent. Zeitschr. 1904, **n. spp.**
Isidus; characters and position, DU BUYSSON, p. 7, Rev. Ent. franc. xxiii.
Ludius, cf. *Corymbitodes*.
Melanoxanthus picturatus, New Caledonia, FAUVEL, p. 131, Rev. Ent. franc. 1904, **n. sp.**
Monocrepidius brachypterus, Lifu, FAUVEL, p. 127, t. c.; *M. chilensis*, Chili, SCHWARZ, p. 70, Deutsche ent. Zeitschr. 1904 : **n. spp.**
Ochosternus pacificus, *cribriceps*, p. 134, New Caledonia, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**
Pomachilius brevicornis, Brazil, SCHWARZ, p. 61, Deutsche ent. Zeitschr. 1904; *P. fulvescens*, *apicatus*, p. 73, *preterminatus*, *scriptus*, p. 74, *mul-*

timaculatus, p. 75, *variegatus*, p. 76, *cinctipennis*, p. 77, *krugi*, *polygrammus*, p. 78, S. America, SCHWARZ, t. c. : **n. spp.**
Semiotus subvirescens, Ecuador, p. 49, *alternatus*, Venezuela, p. 50, SCHWARZ, t. c. **n. spp.**

RHIPICERIDÆ and DASCILLIDÆ.

[Cf. FAIRMAIRE (474, 476, 478), FAUVEL (486).]

Agathorhipis **n. g.** *Rhipiceridæ*, *A. bifossata* **n. sp.**, New Caledonia, FAUVEL, p. 136, Rev. Ent. franc. 1904.
Cladotoma bruchii, Tucuman, FAIRMAIRE, p. 61, Bull. Soc. ent. France 1904 ; *C. russula*, p. 154, *maculicollis*, p. 155, Brazil, FAIRMAIRE, t. c. : **n. spp.**
Eubrianax insignis, Indo China, FAIRMAIRE, p. 87, Mission Pavie iii, **n. sp.**
Pseudolichas nivipictus, Laos, FAIRMAIRE, p. 86, t. c. **n. sp.**

MALACODERMIDÆ.

[Cf. BOURGEOIS (160, 161), FAIRMAIRE (473), FAUVEL (486), FIORI (509), PIC (1055, 1058, 1060, 1062, 1065, 1066, 1068, 1071, 1074, 1075, 1077), REITTER (1152), SCHAEFFER (1220), TOWNSEND (1392).]

Malacodermidæ, collected by BURCHELL in S. Africa and Brazil, BOURGEOIS (161).
Gigantic larva, *Lampyrides*, described, LUCAS, p. 104, Mission Pavie iii.
Light-organ, *Photinus*, TOWNSEND (1392).

Acanthocnemus = (*Eurema* Ab. = *Hovacnemus* Fairm.), there is only one species known, BOURGEOIS, pp. 25, 26, Bull. Soc. ent. France 1904.
Anthonomus [sic] *martini*, Natal, PIC, p. 27, Echange 1904, **n. sp.**
Astylus longipennis, Brazil, PIC, p. 29, t. c. **n. sp.**
Attalus africanus, Natal, PIC, p. 28, t. c. ; *A.* (*Mixis*) *rufithorax*, S. Africa, PIC, p. 33, t. c. : **n. spp.**
Balanophorus macleayi, pl. iv, fig. 8, p. 91 ; LEA, P. Linn. Soc. N. S. Wales xxix.
Calosotis? *barkeri*, Natal, PIC, p. 66, Echange xx, **n. sp.**
Cantharis livida var. n. *varendorffi*, REITTER, p. 159, Wien. ent. Zeit. xxiii ; *C.* brachypterous ♀ ; *malatiensis* var. n. *detectiventris*, PIC, p. 71, Bull. Soc. ent. France 1904.
C. ponticus, *cilicius*, Asia Minor, PIC, p. 9, Echange ix ; *C. raddensis*, Amurland, PIC, p. 26, Echange 1904 : **n. spp.**
Celetes burchelli, Brazil, BOURGEOIS, p. 93, Ann. Nat. Hist. xiii, **n. sp.**
Cenophengus? *pallidus*, Texas, SCHAEFFER, p. 213, J. N. York Ent. Soc. xii, **n. sp.**
Chlamydolycus burchelli, S. Africa, BOURGEOIS, p. 91, Ann. Nat. Hist. xiii, **n. sp.**
Cyrtosus subcylindricus, Syria, PIC, p. 3, Echange 1904 ; *C. diversicornis*, Algeria, PIC, p. 34, t. c. : **n. spp.**
Danacæa martini, Spain, p. 2, *holtzi*, Taurus, p. 3, PIC, t. c. ; *D. tauricola*, *nitidissima*, Taurus, PIC, p. 73, t. c. : **n. spp.**
Dichelotarsus sulcithorax, Japan, PIC, p. 26, t. c. **n. sp.**
Drilus? *kandyanus*, Ceylon, BOURGEOIS, p. 481, Ann. Soc. ent. France 1903, **n. sp.**
Ebæomorphus **n. g.** *E. ramicornis* **n. sp.**, Natal, PIC, p. 28, Echange 1904.
Ebæus italicus, Rome, REITTER, p. 159, Wien. ent. Zeit, xxiii ; *E. amurensis*, Amur, PIC, p. 50, Echange xx ; *E. bahiensis*, Brazil, PIC, p. 28, t. c. : **n. spp.**
Eurema, cf. *Acanthocnemus*.

Hapalochrous martini, Natal, PIC, p. 28, Echange 1904 ; *H. appendicifer*, Cape Colony, PIC, p. 34, t. c. : **n. spp.**
Henicopus plumbeus, pilosus, distinctions, MÜLLER, p. 174, Wien. ent. Zeit. xxiii.
Hovacnemus, cf. *Acanthocnemus*.
Idgia puncticollis, S. India, BOURGEOIS, p. 483, Ann. Soc. ent. France 1903, **n. sp.**
Luciola xanthochroa, Madagascar, FAIRMAIRE, p. 236, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Malachius akbesianus ♂, PIC, p. 216, Bull. Soc. ent. France 1904.
M. cressius, Crete, PIC, p. 10, Echange 1904 ; *M. elaphus*, ♀, PIC, p. 42, Bull. Soc. ent. France 1904 ; *M. lusitanicus*, habits, larva, XAMBEU, pp. 58–63, Soc. Pyrenees-or. xlv ; *M. arctelimbatus*, p. 287, *japonicus*, p. 288, Japan, PIC, Bull. Soc. ent. France : **n. spp.**
Malthinus flavicollis, Spain, PIC, p. 4, Echange 1904 ; *M.* (*Progeutes*) *drurei*, Bagdad, PIC, t. c. : **n. spp.**
Malthodes (*Podistrina*) *arbaensis*, Tunis, PIC, p. 3, Echange 1904 ; *M. holtzi*, Crete, PIC, p. 9, t. c. ; *M. malcolmi*, Malta, PIC, p. 49, t. c. ; *M.* (*Malthinellus*) *messenius*, p. 74, *M.* (*Podistrina*) *ragusæ*, p. 75, Sicily, FIORI, Natural. Sicil. xvii : **n. spp.**
Megalophthalmus ptiliniformis, Pará, BOURGEOIS, p. 98, Ann. Nat. Hist. xiii, **n. sp.**
Melyris crenicollis, Algeria, PIC, p. 90, Echange xx, **n. sp.**
Neocarphurus impunctatus, pl. iv, fig. 9, p. 91, LEA, P. Linn. Soc. N. S. Wales xxix.
Pagurodactylus ? *apicalis*, Natal, PIC, p. 66, Echange xx, **n. sp.**
Paraptorthodius **n. g.** near *Ptorthodius*, *P. mirabilis* **n. sp.**, Texas, SCHAEFFER, p. 212, J. N. York Ent. Soc. xii.
Plateros variicostatus, Brazil, BOURGEOIS, p. 94, Ann. Nat. Hist. xii, **n. sp.**
Platycis cosnardi raddensis subsp. n., PIC, p. 25, Echange 1904.
Podabrus rosinæ, Amurland, PIC, p. 25, t. c. **n. sp.**
Pseudocolotes capensis, notatithorax, S. Africa, PIC, p. 11, t. c. **n. spp.**
Rhagonycha ericeti and allies, PIC, p. 54, t. c.
Selasia maindroni, Genji, BOURGEOIS, p. 482, Ann. Soc. ent. France 1903, **n. sp.**
Semijulistus, characters and components, SEMENOV, p. 121, Rev. Russe Ent. iv.
Silis nigrifrons, Madagascar, FAIRMAIRE, p. 237, Ann. Soc. ent. Belgique xlviii ; *S. maindroni*, Nilgiri Hills, BOURGEOIS, p. 480, Ann. Soc. ent. France 1904 : **n. spp.**
Sphinginopalpus martini, Natal, PIC, p. 12, Bull. Soc. ent. France 1904 ; *S. barkeri, formicoides, limbatus*, S. Africa, PIC, p. 65, Echange xx : **n. spp.**
Telephorus fuscus, larval habits, REMER, pp. 12, 13, Jahresber. Schlesisch. Ges. 1903, zool.-bot. sekt.
Tylocerus apicalis, Ceylon, BOURGEOIS, p. 479, Ann. Soc. ent. France 1903, **n. sp.**
Tytthonyx ruficollis, Texas, SCHAEFFER, p. 214, J. N. York Ent. Soc. xii, **n. sp.**
Xamerpus rubronotatus, Madagascar, PIC, p. 11, Echange 1904 ; *X. obscurus*, Natal, PIC, p. 28, t. c. : **n. spp.**

CLERIDÆ.

[Cf. FAUVEL (486), HOULBERT & BÉTIS (721), SCHAEFFER (1220), SCHENKLING (1226).]

Clerus palmii, Arizona, SCHAEFFER, p. 218, J. N. York Ent. Soc. xii, **n. sp.**
Colyphus furcatus, Texas, SCHAEFFER, p. 218, t. c. **n. sp.**

Cymatodera peninsularis, Lower California, p. 214, *obliquefasciata*, p. 215, *fuchsii*, Texas, *latefascia*, Arizona, p. 216, *vandykei*, California, p. 217, SCHAEFFER, t. c. : **n. spp.**

Enoplium granulatipenne, p. 220, *nigrescens*, p. 221, Texas, SCHAEFFER, t. c. : **n. spp.**

Hydnocera tricolor, Texas, SCHAEFFER, p. 219, t. c. **n. sp.**

Ommadius diversicollis, New Caledonia, FAUVEL, p. 146, Rev. Ent. franc. 1904, **n. sp.**

Pelonium maculicolle, Texas, SCHAEFFER, p. 219, J. N. York Ent. Soc. xii, **n. sp.**

Phlœocopus, monograph, SCHENKLING, pp. 169–186, Ann. Mus. Genova xli.

P. verticalis, Somaliland, p. 183, *obscurus*, Madagascar, p. 186, id. t. c. **n. spp.**

Trichodes kraatzi var.=(*turkestanicus*), HINTZ, p. 420, Deutsche ent. Zeitschr. 1904 ; *T. kraatzi* and *turkestanicus*, distinguished, REITTER, p. 259, Wien. ent. Zeit. xxiii.

PTINIDÆ.

[Cf. FAUVEL (486), PÉRINGUEY (1028), PIC (1052, 1054, 1060, 1062, 1064, 1067, 1068), REITTER (1149).]

Cathorama diversestriata, p. 56, *rudepunctata*, *argentina*, S. America, *rubriventris*, Mexico, p. 57, *thecaoides*, *tijucana*, *holosericea*, *fulvopubens*, *subpubescens*, p. 103, *minutissima*, p. 104, S. America, PIC, Naturaliste 1904; *C. baeri*, Peru, PIC, p. 19, Echange 1904 : **n. spp.**

Ernobius incisus, S. France, PIC, p. 2, t. c. **n. sp.**

Eupactus=(*Thaptor* Gorh.), PIC, p. 31, t. c.

E. cribripennis, *gibbosiceps*, *subopacus*, p. 31, *nigromaculatus*, *brunneonotatus*, *argentifer*, p. 32, Brazil, PIC, t. c. ; *E. subnotatus*, *brunneus*, p. 36, *gounellei*, *barranus*, *bahiensis*, *minasensis*, *brevis*, *nigricolor*, *subattenuatus*, *rufonitens*, *humilis*, p. 37, Brazil, PIC, t. c. ; *E. donckieri*, Mexico, *funki*, *distinctipennis*, S. America, PIC, p. 19, t. c. **n. spp.**

Eurostus cylindricornis, Asia Minor, REITTER, p. 81, Wien. ent. Zeit. xxiii, **n. sp.**

Leptotheca **n. g.** *Dorcatomini*, p. 151, *laticornis* **n. sp.**, New Caledonia, p. 152, FAUVEL, Rev. Ent. franc. 1904.

Mesocœlopus rufithorax, Congo, PIC, p. 12, Echange 1904 ; *M. venezuelensis* ["me parait devoir rentrer dans le genre *Eupactus*" !], Venezuela, *sumatrensis*, Sumatra, PIC, p. 19, Echange 1904 : **n. spp.**

Ozognathus inarmatus, *rufescens*, Chili, PIC, p. 18, t. c. **n. spp.**

Priotoma peruviana, *flaviventris*, S. America, PIC, p. 19, t. c. **n. spp.**

Ptinus tectus, habits, CHAMPION, p. 85, Ent. Mag. xl.

P. elegans, Natal, PÉRINGUEY, p. 225, Ann. S. African Mus. iii ; *P. multimaculatus*, p. 226, *decorsei*, p. 227, Madagascar, PIC, Bull. Mus. Paris 1904 ; *P. falli*, N. America, PIC, p. 19, Echange 1904 ; *P. gandolphei*, *paulonotatus*, N. America, PIC, p. 34, t. c. : **n. spp.**

Thaptor sublineatus, Chili, *australiensis*, Australia, *mexicanus*, Mexico, PIC, p. 18, t. c. **n. spp.**

Theca oneili, S. Africa, *pruinosa*, Madagascar, PIC, p. 11, t. c. ; *T. figurata*, New Caledonia and New Hebrides, p. 152, *semirufa*, New Caledonia, p. 153, FAUVEL, Rev. Ent. franc. 1904 : **n. spp.**

BOSTRYCHIDÆ.

[Cf. FAUVEL (486), LESNE (876).]

LESNE gives addenda and corrigenda to his Palearctic *Bostrychidæ*, with 2 n. spp., ABEILLE, pp. 153–168, pls. iii, iv, Abeille xxx.

Catalogue of Australian *Bostr.* with localities, LEA, pp. 91–93, P. Linn. Soc. N. S. Wales xxix.

Apatodes Blackb. = (*Xylobosca* Lesne), LEA, p. 92, t. c.
Coccographis nigrorubra, pl. ix bis, fig. 6, p. 107, LESNE, Mission Pavie iii.
Lyctus canaliculatus, habits, parasites, BEYER, p. 30, J. N. York Ent. Soc. xii.
L. punctipennis, New Caledonia, Sumatra, FAUVEL, p. 155, Rev. Ent. franc. 1904, **n. sp.**
Sinoxylon pugnax, E. India etc., LESNE, p. 159, Abeille xxx, **n. sp.**
Xylogenes semenovi, Centr. Asia, LESNE, p. 158, t. c. **n. sp.**

CIOIDÆ.

Cherostus cornutus, St. Vincent, p. 31, *jamaicensis*, Jamaica, 32, ARROW, Ann. Nat. Hist. xiv, **n. spp.** [These Insects, as well as *Rhipidandrus*, are *Tenebrionidæ* and will in future be there recorded. D. S.]
Cis notatus, p. 160, *litteratus*, *biscutatus*, p. 161, *cribrellus*, *porcellus*, *micros*, p. 162, New Caledonia, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**
Ennearthron nigricans, New Caledonia, FAUVEL, p. 163, t. c. **n. sp.**

TENEBRIONIDÆ and RHYSOPAUSSIDÆ.

[Cf. ARROW (39), BROUN (184), CHITTENDEN (266), DEMAISON (360), FAIRMAIRE (476), FAUVEL (486), GEBIEN (589, 590), KOLBE (830), MÜLLER (972), PÉRINGUEY (1028, 1029), POPPIUS (1094), REITTER (1155).]

Rhysopaussidæ, note on position, WASMANN, p. 5, Jägerskiöld exp. No. 13.

Acanthomera cursor, Cape Colony, PÉRINGUEY, p. 252, Ann. S. African Mus. iii, **n. sp.**
Acastus sebakuensis, S. Africa, PÉRINGUEY, p. 260, t. c. **n. sp.**
Adelium pustulosum, New Caledonia, FAUVEL, p. 189, Rev. Ent. franc. 1904, **n. sp.**
Adesmia (*Macropoda*) *khoikoina*, *damara*, p. 226, *A.* (*Onymachrys*) *laskeri*, p. 227, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**
Akis spinosa **var. n.** *ragusæ*, REITTER, p. 97, Natural. Sicil. xvii.
Alcyonotus purpuripennis, Cameroons, GEBIEN, p. 22, Arkiv Zool. ii, No. 5, **n. sp.**
Almyon prolatus Pasc. = (*Ghaleca læta* Pér.), PÉRINGUEY, p. 297, Ann. S. African Mus. iii.
Alphitophagus obtusangulus, Dalmatia, MÜLLER, p. 209, Munchen. Kol. Zeitschr. ii, **n. sp.**
Amenophis; table of species; *A fairmairei* = (*mechowi* Kolbe), GEBIEN, p. 17, Arkiv Zool. ii, No. 5.
A. angustata, *epipleuralis*, Cameroons, GEBIEN, t. c. **n. spp.**
Ametrocera = (*Idricus* Fairm.), *A. aurita* = (*I. pacificus* Pér.), PÉRINGUEY, p. 296, Ann. S. African Mus. iii.
Amiantus pusillus, Transvaal, PÉRINGUEY, t. c. **n. sp.**
Anatolica hammarstromi, Mongolia, POPPIUS, p. 12, Ofv. Finska Forh. xlvi, No. 16, **n. sp.**
Anchophthalmus indigus, *algoensis*, p. 237, *plicipennis*, p. 238, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**
Anomalipus granatus Fairm. = (*marshalli* Pér.), *A. obscurus* Oliv. = (*notaticollis* Pér.), PÉRINGUEY, p. 297, Ann. S. African Mus. iii.
A. spectandus, p. 449, *deceptor*, *amplipennis*, *selatinus*, p. 450, Transvaal, PÉRINGUEY, Nov. Zool. xi; *A. mashunus*, pl. xiii, fig. 10, *gasanus*, fig. 9, p. 239, *barbertoniensis*, p. 240, *pauxillus*, *hypocrita*, p. 241, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii : **n. spp.**

Aphrotus **n. n.** for *Xenus* Pér., *A. abortus* **n. sp.**, Namaqualand, PÉRINGUEY, p. 252, t. c.

Arrhenoplita **n. g.** *ensifera* **n. sp.**, New Caledonia, FAUVEL, p. 173, Rev. Ent. franc. 1904.

Asemogena **n. g.** near *Praogena*, *A. simplex*, p. 281, *humilis*, p. 282, **n. spp.**, Cape Colony, PÉRINGUEY, Ann. S. African Mus. iii.

Bolitotherus cordicollis, p. 167, *cancroïdes*, p. 168, New Caledonia, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**

Cœdius globosus, New Caledonia, FAUVEL, p. 166, t. c. **n. sp.**

Calostega cylindrica, Congo, GEBIEN, p. 175, Deutsche ent. Zeitschr. 1904, **n. sp.**

Catamerus manicanus, p. xiii, fig. 3, p. 250, *gasanus*, fig. 12, p. 251, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**

Ceramba **n. g.** near *Episopus*, *hydrovatina* **n. sp.**, New Caledonia, FAUVEL, p. 206, Rev. Ent. franc. 1904.

Ceropria; characters of African; *C. romandi* = (*janthina* Th. = *westermanni* Fåhr. = *viridis* Kr.), *C. anthracina* Quedf. nec Lac., pl. ii, fig. 8, GEBIEN, pp. 9, 10, Arkiv Zool. ii, No. 5.

C. cærulea, New Caledonia, FAUVEL, p. 171, Rev. Ent. franc. 1904, **n. sp.**

Cherostus and *Rhipidandrus*, cf. *Cioidæ*.

Cilibe asidœformis, New Caledonia, FAUVEL, p. 188, Rev. Ent. franc. 1904, **n. sp.**

Cymbeba bavayi, p. 194, *sulcipennis*, *muscorum*, p. 195, *indigacea*, *planipennis*, p. 196, New Caledonia, FAUVEL, t. c. **n. spp.**

Derosimus **n. g.** near *Adelostema*, *D. quadricollis* **n. sp.**, Buenos Ayres, FAIRMAIRE, p. 62, Bull. Soc. ent. France 1904.

Derosphærus globicollis = (*Nyctobates rotundicollis* Westw. = *Notiolesthus morosus* Motsch.), GEBIEN, p. 18, Arkiv Zool. ii, No. 5.

Diaclina picta, New Caledonia, FAUVEL, p. 184, Rev. Ent. franc. 1904, **n. sp.**

Dichastops mashunus, S. Africa, PÉRINGUEY, p. 244, Ann. S. African Mus. iii, **n. sp.**

Diestesoma **n. g.** near *Strongylium*, p. 271, *D. pulchrum* **n. sp.**, Cape Colony, p. 272, PÉRINGUEY, t. c.

Dorelogena **n. g.** near *Praogena*, *D. castanea*, p. 280, *angusta*, p. 281, **n. spp.**, Rhodesia, PÉRINGUEY, t. c.

Dysgena durbania, p. 276, *decipiens*, *plebeia*, p. 277, *delagoana*, *foveaticollis*, p. 278, *capicola*, *luctuosa*, *servilis*, p. 279, S. Africa, PÉRINGUEY, t. c. **n. spp.**

Endustomus sudanensis, White Nile, WASMANN, pl. i, fig. 3, p. 10, Jägerskiöld exp. No. 13; *E. rhodesianus*, S. Africa, PÉRINGUEY, p. 242, Ann. S. African Mus. iii : **n. spp.**

Epipedonota strigosicollis, Catamarca, FAIRMAIRE, p. 63, Bull. Soc. ent. France 1904, **n. sp.**

Episopus cavipennis, p. 203, *championi*, *viridipennis*, p. 204, *violaceipennis*, p. 205, New Caledonia, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**

Eupezus minor, Cameroons, GEBIEN, p. 25, Arkiv Zool. ii, No. 5, **n. sp.**

Gonocnemis jaegerskioeldi, Soudan, WASMANN, p. 7, pl. i, fig. 2, Jägerskiöld exp. No. 13, **n. sp.**

Hæmus **n. g.** near *Machla*, p. 228, *H. carinatipennis* **n. sp.**, Rhodesia, p. 229, PÉRINGUEY, Ann. S. African Mus. iii.

Hemipristis kraatzi, Tanganyika, GEBIEN, p. 127, Deutsche ent Zeitschr. 1904, **n. sp.**

Herpiscius damarinus, S. Africa, PÉRINGUEY, p. 229, Ann. S. African Mus. iii, **n. sp.**

Hoplonyx evanescens, pl ii, fig. 5, p. 33, *cameruna*, p. 24, Cameroons, GEBIEN, Arkiv Zool. ii, No. 5; *H. termitophilus*, Soudan, WASMANN, pl. i, fig. 7, p. 9, Jägerskiöld exp. No. 13; *H. insignis*, *granulipennis*, p. 255, *perforatus*, *extraneus*, p. 256, *gratulus*, *refertus*, p. 257, *pudens*,

spectandus, p. 258, *amœnus*, *probus*, p. 259, *luscus*, p. 260, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii : **n. spp.**

Hyocis championi, New Caledonia and New Hebrides, FAUVEL, p. 166, Rev. Ent. franc. 1904, **n. sp.**

Hypamarygmus **n. g.** p. 27, *H. coccinelloides* **n. sp.** Cameroons, p. 28, pl. ii, fig. 6, GEBIEN, Arkiv Zool. ii, No. 5.

Iscanus **n. g.** near *Lorelus*, p. 176, *kuniensis* **n. sp.**, New Caledonia, p. 177, FAUVEL, Rev. Ent. franc. 1904.

Isopus kanak, p. 198, *obtusus*, p. 199, *productus*, p. 200, *apicipennis*, *sulcifer*, p. 201, *morychoïdes*, p. 202; New Caledonia, FAUVEL, t. c. **n. spp.**

Latheticus prosopis, Arizona etc., CHITTENDEN, p. 167, J. N. York Ent. Soc. xii, **n. sp.**

Lorelus ocularis, New Caledonia, FAUVEL, p. 178, Rev. Ent. franc. 1904, **n. sp.**

Lyprochelida picta, Cameroons, pl. ii, fig. 4, p. 20, GEBIEN, Arkiv Zool. ii, No. 5, **n. sp.**

Lyprops mosambicus, *namaquensis*, S. Africa, PÉRINGUEY, p. 243, Ann. S. African Mus. iii, **n. spp.**

Machla mendica=(*Asida natalica* Pér.=*M. echinodermata* Fairm.), PÉRINGUEY, p. 296, t. c.

Machleida nodulosa=(*Asida legitima* Pér.), PÉRINGUEY, p. 296, t. c.

Melasia apicipennis, *fortestriata*, p. 180, *punctata*, *microcephala*, p. 181, *opacipennis*, *isoceroïdes*, p. 182, *miriceps*, p. 183, New Caledonia, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**

Menephilus camerunus, Africa, pl. ii, fig. 2, p. 19, GEBIEN, Arkiv Zool. ii, No. 5, **n. sp.**

Metallonotus splendens, E. Africa, GEBIEN, p. 318, Deutsche ent. Zeitschr. 1904, **n. sp.**

Micrantereus capicola, *procursus*, pl. xiii, figg. 1, 2, p. 245, *zoutpansbergianus*, fig. 8, p. 246, *lydenburgiensis*, fig. 7, *gasanus*, figg. 5, 6, p. 247, *hirsutus*, fig. 4, p. 248, *vicarius*, p. 249, fig. 3, S. Africa; PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**

Mimocellus **n. g.** near *Lyprops*, p. 11, *M. trechoides*, Sudan, pl. i, fig. 5, *braunsi*, Bothaville, **n. spp.**, p. 12, WASMANN, Jägerskiöld exp. No. 13.

Moluris mulleri, to *Psammodes*, PÉRINGUEY, p. 297, Ann. S. African Mus. iii.

Nannocerus angustulus, p. 270, *beiranus*, p. 271, Mozambique; PÉRINGUEY, t. c. **n. spp.**

Nesogena caffra, S. Africa, PÉRINGUEY, p. 262, t. c. **n. sp.**

Nyctelia grandis, *vageimpressa*, p. 62, *rotundipennis*, *quadriplicata*, p. 63, S. America, FAIRMAIRE, Bull. Soc. ent. France 1904, **n. spp.**

Oochrotus glaber, Asia Minor, DEMAISON, p. 287, Bull. Soc. ent. France 1904, **n. sp.**

Opatrinus opacus, Cameroons, fig. 2, p. 4, GEBIEN, Arkiv Zool. ii, No. 5, **n. sp.**

Païta **n. g.** near *Menimus*, *setosella* **n. sp.**, Noumea, FAUVEL, p. 173, Rev. Ent. franc. 1904.

Palorus laxipunctus, New Caledonia, FAUVEL, p. 176, t. c. **n. sp.**

Paragonocnemis trægaordhi, Soudan, WASMANN, pl. i, fig. i, p. 8, Jägerskiöld exp. No. 13, **n. sp.**

Paramarygmus figuratus, Cameroons, GEBIEN, p. 28, Arkiv Zool. ii, No. 5; *P. gratulus*, *amœnus*, p. 261, *gratiosus*, p. 262, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii : **n. spp.**

Paraphylax sternalis, New Zealand, BROUN, p. 57, Ann. Nat. Hist. xiv, **n. sp.**

Perichilus ditissimus, S. Africa, PÉRINGUEY, p. 270, Ann. S. African Mus. iii, **n. sp.**

Pheugonius giganteus, Borneo, GEBIEN, p. 157, Deutsche ent. Zeitschr. 1904, **n. sp.**

Phligra hamaticollis, p. 235, *minuta*, p. 236, Cape Colony, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**

Phymatosoma rutilans, Laos, FAIRMAIRE, p. 88, Mission Pavie iii, **n. sp.**

Platynosum sabulorum, characters, CHOBAUT, p. 283, Bull. Soc. ent. France 1904.

Platydema tomentosum, *nigrobrunneum*, p. 5, *hollmi*, fig. 3, p. 6, *schroderi*, fig. 4, p. 7, *abnorme*, fig. 5, p. 8, Cameroons, GEBIEN, Arkiv Zool. ii, No. 5, **n. spp.**

Praogena cyaneipennis, p. 273, *ditissima*, *affinis*, p. 274, *natalensis*, *capicola*, *bechuana*, p. 275, *gloriosa*, *timida*, p. 276, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**

Prioscelis thomsoni, GEBIEN, p. 148, Deutsche ent. Zeitschr. 1904, **n. sp.**

Prosodes mithras, Persia, REITTER, p. 258, Wien. ent. Zeit. xxiii, **n. sp.**

Psammodes volvulus = (*adventitus* Pér.), *P. valens* Pér. = (*cinctipennis* Fairm.), *P. rugulosus* Sol. = (*exilis* Pér.), *P. tricostatus* Fahr. = (*præstans* Pér.), *P. junodi* Pér. = (*junodi* Fairm.), PÉRINGUEY, p. 297, Ann. S. African Mus. iii.

P. discrepans, p. 230, *damarinus*, *zoutpansbergianus*, pl. xiii, fig. 14, p. 231, *fartus*, p. 232, *illotus*, p. 233, S. Africa, PÉRINGUEY, t. c. : *P. rehbocki*, p. 299, *ertli*, p. 300, *spinosocostatus*, p. 302, Africa, KOLBE, Berlin. ent. Zeitschr. xlix : **n. spp.**

Psectrascelis cariosicollis, Catamarca, FAIRMAIRE, p. 64, Bull. Soc. ent. France 1904, **n. sp.**

Pseudelops fossatus, *remotus*, p. 191, *annulipes*, *macellus*, p. 192, *trapezus*, p. 193, New Caledonia, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**

Pycnocerini ; revision of the group, GEBIEN, Deutsche ent. Zeitschr. 1904, pp. 101–176 and 305–356. For the synonymy and variation notes in this paper reference must be made to the memoir.

Pycnocerus rugosus, p. 343, *gracilis*, p. 344, W. Africa, GEBIEN, t. c. **n. spp.**

Scythis rectangulus, Mongolia, POPPIUS, p. 14, Ofv. Finska Forh. xlvi, No. 16, **n. sp.**

Selinus convexipennis, fig. 1, p. 2, *calcaripes*, p. 3, Cameroons, GEBIEN, Arkiv Zool. ii, No. 5, **n. spp.**

Sipirocus kolbei, Java, GEBIEN, p. 169, Deutsche ent. Zeitschr. 1904, **n. sp.**

Sphenaria synonymy, of Semenow's species, REITTER, pp. 24, 25, Wien. ent. Zeit. xxiii.

Stenocara albicollis = (*distincta* Pér.), PÉRINGUEY, p. 296, Ann. S. African Mus. iii.

S. jurgatrix, Namaqualand, PÉRINGUEY, p. 227, t. c. **n. sp.**

Strongylium sulcipenne = (*Xanthotopia fuscocyanescens* Fairm.), PÉRINGUEY, p. 297, t. c. ; *S. cyanipes* = (*nigrum* Dohrn), GEBIEN, p. 29, Arkiv Zool. ii, No. 5.

S. perturbator, *indigens*, p. 263, *rhodesianum*, *ovampoense*, p. 264, *lautum*, *discrepans*, p. 265, *algoense*, *imitator*, p. 266, *natalense*, p. 267, *auspicatum*, *plausibile*, p. 268, *lætum*, *cœlatum*, p. 269, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**

Syrphetodes nodosalis, New Zealand, BROUN, p. 56, Ann. Nat. Hist. xiv, **n. sp.**

Taraxides sinuatus, variation and synonymy, GEBIEN, p. 13, 14, Arkiv Zool. ii, No. 5.

Tenebrio guineensis = (*foveicollis* Thoms.), GEBIEN, p. 19, t. c.

Toxicum taurus = *tenuiclavum* Schauf. = ? *nitidifrons* Schauf.), GEBIEN, p. 13, t. c.

Trachynotideus damarinus, S. Africa, PÉRINGUEY, p. 233, Ann. S. African Mus. iii, **n. sp.**

Trachynotidus rufozonatus = (*manifestus* Pér.), PÉRINGUEY, p. 297, t. c.

Trachynotus stali = (*latemarginatus* Pér.), *T. silphoides* = (*plicipennis* Pér.), *T. pygmæus* = (*tantillus* Pér.), *T. frontalis* Haag = (*Epairops levigata* Pér.), PÉRINGUEY, t. c.

T. resolutus, Transvaal, PÉRINGUEY, p. 234, t. c. **n. sp.**
Uloma sjoestedti, Cameroons, fig. 6, p. 10, GEBIEN, Arkiv Zool. ii, No. 5, **n. sp.**
Vutsimus propinquus, p. 253, *byzacnoides*, p. 254, Transvaal, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**
Xanthothopeia delagoae, Mozambique, PÉRINGUEY, p. 273, t. c. **n. sp.**
Xyloborus crenipennis Motsch. to *Cherostus*, ARROW, Ann. Nat. Hist. xiv, p. 32.
Zophodes tristis=(*Doryagus talpa* Pasc.), PÉRINGUEY, p. 297, Ann. S. African Mus. iii.

CISTELIDÆ.

[Cf. GERHARDT (591, 592), PIC (1058, 1065, 1075).]

Isomira murina var. n. *æmiliæ*, BEDEL, p. 211, Bull. Soc. ent. France 1904.
I. arenaria, Germany, GERHARDT, p. 366, Deutsche ent. Zeitschr. 1904, and p. 79, Zeitschr. Ent. Breslau xxix; *I. testaceicornis*, Vladivostock, PIC, p. 26, Echange 1904 : **n. spp.**

Cteniopus, sulphureus L.=(*flavus* Scop.), BEDEL, p. 152, Abeille xxx.
C. tokatensis, Tokat, PIC, p. 26, Echange 1904, **n. sp.**
Microcistela **n. g.** *M. rosinæ* **n. sp.**, Amurland, PIC, p. 26, t. c.
Mycetochara (*Ernocharis*) *striatipennis*, Amanus, PIC, p. 74, t. c. **n. sp.**
Prionychus nitidissimus, Tokat, PIC, p. 288, Bull. Soc. ent. France 1904, **n. sp.**

MELANDRYIDÆ and LAGRIIDÆ.

Orchesia fusiformis=(*nadeshdæ* Sem.), SEMENOW, p. 315, Rev. Russe Ent. 1904.
Lagria procera, p. 287, *prædita*, *pustulosa*, p. 288, *mashuna*, *rhodesiana*, p. 289, *imitatrix*, p. 290, *lydenburgiana*, *promontorii*, p. 291, *vittatipennis*, p. 292, *capicola*, *elizabethæ*, p. 293, *plumbea*, *impressicollis*, p. 294, *annectens*, p. 295, S. Africa, PÉRINGUEY, Ann. S. African Mus. iii, **n. spp.**

ANTHICIDÆ, PEDILIDÆ.

[Cf. CASEY (248), PIC (1053, 1054, 1057, 1060, 1062, 1064, 1068, 1070, 1075, 1076, 1078).]

Anthicus ragazzii var. n. *micheli*, PIC, p. 121, Bull. Mus. Paris 1904.
A. tarifanus, Spain, PIC, p. 4, Echange 1904; *A. escalerai*, *uhagoni*, Spain, *balearicus*, Balearic Ids., PIC, p. 81, t. c.; *A. boyadjeani*, p. 73, *tauricus*, p. 74, Asia Minor, PIC, t. c.; *A.* (*Aulacoderus*) *citernii*, Somali Land, PIC, p. 92, Ann. Mus. Genova xli; *A. basinotatus*, *tuberculatus*, *cæruleipennis*, S. Africa, PIC, p. 12, Echange 1904; *A. floridanus*, *plectrinus*, N. America, CASEY, p. 320, Canad. Ent. xxxvi; *A. chevalieri*, Niger, *guyanensis*, French Guiana; PIC, p. 121, Bull. Mus. Paris 1904; *A.* (*Lappus*) *postobscurus*, *goyasensis*, *A.* (*Acanthinus*) *minasensis*, p. 44, *A. sculptus*, *bicallosus*, *finitimus*, p. 45, Brazil, PIC, Echange xx; *A. decerptus*, Buenos Ayres, PIC, p. 118, Bull. Soc. ent. France 1904 : **n. spp.**
Euvacusus **n. g.** p. 318, *E. coloradanus* **n. sp.**, Colorado, p. 319, CASEY, Canad. Ent. xxxvi.
Formicomus fortipes var. n. *anguliceps*, PIC, p. 119, Bull. Mus. Paris 1904; *F. elegans*, *posticalis* and *obliquifasciatus* to *Anthicus*, LEA, p. 95, P. Linn. Soc. N. S. Wales xxix.
F. armipes, *decorsei*, Madagascar, *potteri*, Abyssinia, PIC, p. 120, Bull. Mus. Paris 1904, **n. spp.**

Hylophilus; this name cannot be used for *Col.*, CHAMPION, p. 85, Ent. Mag. xl.
H. grandis, S. Africa, PIC, p. 12, Echange 1904; *H. angusticollis*, *decorsei*, Madagascar, PIC, p. 72, Bull. Soc. ent. France 1904 : **n. spp.**
Leptoremus **n. g.** p. 314, *L. argenteus* **n. sp.**, California, p. 315, CASEY, Canad. Ent. xxxvi.
Liobaulius **n. g.** p. 316, *L. subtropicus*, *lulingensis*, *spectans*, p. 317, Texas, *fronteralis*, Mexico, p. 318, **n. spp.**, CASEY, t. c.
Macratria decorsei, Madagascar, PIC, p. 119, Bull. Mus. Paris 1904, **n. sp.**
Notoxus oneili, Cape Colony, PIC, p. 35, Echange 1905; *N. peruvianus*, Peru, PIC, p. 228, Bull. Mus. Paris 1904 : **n. spp.**
Scraptia chinensis, Tien-tsin, PIC, p. 20, Echange 1904, **n. sp.**

RHIPIPHORIDÆ and STYLOPIDÆ.

[Cf. BROUN (184), CHOBAUT (269), FAIRMAIRE (478), LEA (864), PIC (1074, 1077), PIERCE (1086).]

Ancholæmus acuminatus, Brazil, FAIRMAIRE, p. 155, Bull. Soc. ent France 1904, **n. sp.**
Blattivorus **n. g.** (?) for *Rhipidius lusitanicus*, CHOBAUT, p. 230, Bull. Soc. ent. France 1904.
Dunbrodianus **n. g.** near *Euctenia*, *D. longicollis* **n. sp.**, Cape Colony, PIC, p. 66, Echange xx.
Emenadia pictipennis, Queensland, *semipunctata*, N. W. Australia, LEA, p. 97, P. Linn. Soc. N. S. Wales xxix, **n. spp.**
Evaniocera pallidipennis, N. W. Australia, LEA, p. 99, t. c. **n. sp.**
Myiodes syriacus, Amanus, PIC, p. 90, Echange xx, **n. sp.**
Myiodites, characters of N. American, pp. 157–162, *fasciatus* var. n. *brunneus*, p. 160, *solidaginis*, natural history, pp. 172–180, PIERCE, Stud. Univ. Nebraska iv.
M. minimus, Nebraska, id., p. 159, t. c. **n. sp.**
Rhipidius; table of species, CHOBAUT, p. 230, Bull. Soc. ent. France 1904.
R. guignoti, Alpes maritimes, CHOBAUT, p. 228 & p. 284, t. c. **n. sp.**
Rhipiphorus; table of North American, PIERCE, p. 164, Stud. Univ. Nebraska iv.
R. acutipennis, Nebraska, PIERCE, p. 163, t. c. **n. sp.**
Rhypistena cryptarthra, p. 58, *sulciceps*, p. 59, New Zealand, BROUN, Ann. Nat. Hist. xiv, **n. spp.**
Xenos ?, from *Andrena*, p. 169, *X. pulvinipes*, from *Panurginus*, Nebraska, PIERCE, p. 167, Stud. Univ. Nebraska iv, **n. sp.**
The triunguloids—first larva—of *Rhip.* and *Stylop.*, PIERCE, pp. 170 etc., t. c.

MORDELLIDÆ.

Mordella; variation of Australian, LEA, pp. 95, 96, P. Linn. Soc. N. S. Wales xxix.
Mordellistena arabica, Mazerah, CHOBAUT, p. 244, Bull. Soc. ent. France 1904, **n. sp.**

CANTHARIDÆ or MELOIDÆ.

[Cf. ESCHERICH (469), PÉRINGUEY (1028), PIERCE (1086), SKINNER (1302).]

Life-histories and peculiarities of *Meloidæ*, North American triungulins, PIERCE, pp. 154, 170 etc., Stud. Univ. Nebraska iv.
Embryology of *Meloë*, CZERSKI (340).

Calospasta wenzeli, Arizona, SKINNER, p. 217, Ent. News Philad. xv, **n. sp.**

Ctenopus lama, East Turkestan, ESCHERICH, p. 35, Munchen. Kol. Zeitschr. ii, **n. sp.**
Decatoma vexator, transvaalica, Transvaal, PÉRINGUEY, p. 284, Ann. S. African Mus. iii, **n. spp.**
Epicauta adspersa, injurious in Argentina, BRÈTHES (182).
E. abadona, alastor, Arizona, SKINNER, p. 217, Ent. News Philad. xv, **n. spp.**
Hapalus (*Stenoria*) *hauseri*, p. 34, *tibetana*, Kuku-noor, *H.* (*Sitaris*) *pallens*, p. 35, Turkestan, ESCHERICH, Munchen. Kol. Zeitschr. ii, **n. spp.**
Lagorina (?) *mus*, Algeria, ESCHERICH, p. 32, t. c. **n. sp.**
Lytta pœciloptera var. n. *satiata*, ESCHERICH, p. 31, t. c.
L. tibetana, Kuku-noor, ESCHERICH, p. 30, t. c.; *L. damarina, spilotella*, S. Africa, PÉRINGUEY, p. 286, Ann. S. African Mus. iii : **n. spp.**
Meloë intermedius, Turkestan, ESCHERICH, p. 30, Munchen. Kol. Zeitschr. ii; *M. rhodesianus*, S. Africa, PÉRINGUEY, p. 282, Ann. S. African Mus. iii : **n. spp.**
Mylabris crux var. n., *opulenta*, ESCHERICH, p. 33, Munchen. Kol. Zeitschr. ii.
M. lucens, p. 32, *voigtsii*, p. 33, *aurora*, p. 34, Turkestan, ESCHERICH, t. c.; *M.* (*Ceroctis*) *mosambica*, Lourenço-Marques, PÉRINGUEY, p. 283, Ann. S. African Mus. iii : **n. spp.**
Paractenodia **n. g.** near *Actenodia*, *P. parva* **n. sp.**, Cape Colony, PÉRINGUEY, p. 285, Ann S. African Mus. iii.

AEGIALITIDÆ, PYROCHROIDÆ, PYTHIDÆ, ŒDEMERIDÆ.

Ægialitidæ; validity and position of the family, structure of prosternum, WICKHAM, pp. 356, 357, cuts, Canad. Ent. xxxvi.
Ægialites; early stages, taxonomy, WICKHAM, pp. 57–60, pl. ii, t. c.
Pyrochroa innoraticeps, Amurland, PIC, p. 26, Echange 1904, **n. sp.**
Rhinosimus æneus numidica subsp. n., PIC, p. 10, t. c.
Salpingus distincticollis, bisbimaculatus, Madagascar, PIC, p. 72, Bull. Soc. ent. France 1904, **n. spp.**
Salpingus oneili, Cape Colony, PIC, p. 35, Echange 1904, **n. sp.**
Chrysanthia distinctithorax, Taurus, PIC, p. 57, t. c. **n. sp.**
Danerces bicolor, Queensland, LEA, p. 100, pl. iv, fig. 11, P. Linn. Soc. N. S. Wales xxix, **n. sp.**
Œdemera hispanica, Grenada, PIC, p. 91, Echange xx, **n. sp.**
Sora Walker (1859) is prior to *Sora* Hein., PROUT, p. 115, Entomologist 1904.

CURCULIONIDÆ.

[Cf. ABEILLE (5), BEDEL (97), BEGUIN-BILLECOCQ (98), BROUN (184), CASEY (248), CHAMPION (614), CHITTENDEN (263, 264), CSIKI (329), DANIEL & DANIEL (349), DESBROCHERS (361–365, 367), ENDERLEIN (460), FAIRMAIRE (473), FAUST (481), FORMÁNEK (533, 534), FROGGATT (561), GIRAULT (610), HARTMANN (663), HELLER (674, 675), LEA (862, 864), MARSHALL (915), MCCLENAHAN (930), PETRI (1035–1037), PIC (1060, 1065, 1071, 1076, 1077, 1079), REITTER (1148, 1150, 1152), SCHAEFFER (1220), SCHULTZE (1252), SOLARI (1326), WAGNER (1462).]

Development of rostrum, *Balaninus* and *Mononychus*, MCCLENAHAN (930).
VITALE continues his account of protective resemblance in *Curculionidæ*, Riv. ital. Sci. Nat. xxiv, pp. 141–145.

Acalles italicus, Campobasso, p. 529, *lusitanicus*, Portugal, p. 530, SOLARI, Ann. Mus. Genova xli, **n. spp.**
Acalyptops **n. g.** *Anthonomorum*, p. 400, *A. ornatus* **n. sp.**, Usambara, p. 401, HARTMANN, Deutsche ent. Zeitschr. 1904.

Acherres globicollis, W. Australia, LEA, p. 114, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Adosomus **n. g.** pp. 188, 236, for *samsonovi* Gebl. etc., FAUST, Deutsche ent. Zeitschr. 1904.

Ædriodes humeralis, W. Australia, LEA, p. 113, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Alcides interruptus bilineellus subsp. n., HELLER, p. 186, Ent. Tidskr. xxv.

A. albopictus, Madagascar, FAIRMAIRE, p. 247, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Amblysomus **n. g.** pp. 185, 204, for *brevis* Fahr., FAUST, Deutsche ent. Zeitschr. 1904.

Amycterides; notes on types and synonymy of Macleay's species, LEA, pp. 111–113, Tr. R. Soc. S. Austral. xxviii.

Anasticomerus **subg. n.**, cf. *Ischnotrachelus*.

Anthonomus grandis, natural history, SANDERSON, Texas Agric. exp. Stat. Circ. 3; *A. grandis*, in Cuba, food-plant, SCHWARZ, pp. 13–17, P. ent. Soc. Washington vi.

A. brevispinus, Araxes Valley, p. 139, *latior*, Siberia, p. 140, PIC, Bull. Soc. Autun xv, **n. spp.**

Aphanomastix **n. g.** *Sphenophoridarum*, p. 196, *A. cryptophodus* **n. sp.**, Cameroons, p. 197, HELLER, Ent. Tidskr. xxv.

Aphyomerus **n. g.** *Menemachinorum*, *A. obliquus* **n. sp.**, E. Africa, HARTMANN, p. 409, Deutsche ent. Zeitschr. 1901.

Apion; food plants of 12 species, WAGNER, pp. 378, 379, Munchen. Kol. Zeitschr. ii; *A. hydropicum*, identification, DANIEL, pp. 182–184, Munchen. Kol. Zeitschr. ii; *A. subcaviceps*, characters, p. 108, *subconiceps* var. n. *tenuirostre*, p. 109, DESBROCHERS, Frelon xii.

A. (*Ceratapion*) *austriacum*, Mödling, p. 374, *woerzi*, p. 377, *moczarskii*, p. 378, Corfu, WAGNER, Munchen. Kol. Zeitschr. ii; *A. gavoyi*, France, p. 53, *vincenti*, Cairo, *semicyanescens*, Turkestan, p. 54, *foveatum*, Caucasus, *approximatum*, Morocco, p. 55, *rectinasus*, S. France, p. 56, *italicum*, Piedmont, *subconiceps*, Carcassonne, p. 57, DESBROCHERS, Frelon xii; *A. subplumbeum*, Arabia, DESBROCHERS, p. 108, t. c.; *A. tropicum*, p. 392, *kwaiense*, p. 393, *sulcatipenne*, p. 394, *vetulum*, *amabile*, p. 395, Africa, HARTMANN, Deutsche ent. Zeitschr. 1904; *A.* (*Aspidapion*) *alluaudi*, *bouvieri*, p. 54, *malgasicum*, p. 55, *bicarinatum*, *denudatum*, p. 56, *madagascariense*, *inornatum*, p. 57, Madagascar, *pamanzianum*, Mayotte, p. 56, *A. insulam*, *albosquamosum*, p. 103, Madagascar, BEGUIN-BILLECOCQ, Bull. Soc. ent. France 1904: **n. spp.**

Aporotopus **n. g.** p. 190, for *Pachycerus cribrosus* Fairm., FAUST, Deutsche ent. Zeitschr. 1904.

Apsophus **n. g.** *Menemachinorum*, p. 407, *fasciatus*, p. 408, **n. sp.**, E. Africa, HARTMANN, Deutsche ent. Zeitschr. 1904.

Asinocleonus **subg. n.** of *Pachycerus*, FAUST, p. 224, Deutsche ent. Zeitschr. 1904.

Astratus **n. g.** near *Cryptorhynchus*, *A. cristulicollis* **n. sp.**, Madagascar, FAIRMAIRE, p. 249, Ann. Soc. ent. Belgique xlviii.

Atactogaster **n. g.** p. 230, with *insularis*, Zanzibar, *suspectus*, *finitimus*, Madras, p. 251, **n. spp.**, FAUST, Deutsche ent. Zeitschr. 1904.

Attelabus bipustulatus, habits, GIRAULT, pp. 189–193, Ent. News Philad. xv.

Bœosomus **n. g.** near *Bantiades*, p. 118, for *B. tacitus* **n. sp.**, New Zealand, p. 119, BROUN, Ann. Nat. Hist. xiv.

Bagous longirostris, Sicily, VITALE, Riv. Col. ital. i [not seen by Recorder]; *B. latepunctatus*, p. 50, *bagdatensis*, p. 51, Bagdad, PIC, Echange xx; *B. striatulus*, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii; *B. fastosus*, E. Africa, HARTMANN, p. 391, Deutsche ent. Zeitschr. 1904: **n. spp.**

Balaninus; natural history of N. American, CHITTENDEN, pp. 24–38, Bull. U. S. Dep. Agric. Ent. xliv.

B. intricatus, *æqualis*, p. 133, *delicatulus*, *submaculatus*, p. 134, Australia, LEA, Tr. R. Soc. S. Austral. xxviii; *B. victoriensis*, Texas, CHITTENDEN, p. 31, Bull. U. S. Dep. Agric. Ent. xliv : **n. spp.**

Baris spp.; metamorphosis, XAMBEU, pp. 213, 223, Naturaliste 1904.

B. corsicana, Bastia, p. 36, *mauretanica*, Algeria, p. 37, SCHULTZE, Munchen. Kol. Zeitschr. ii; *B. rufescens*, p. 532, *violaceomicans*, p. 534, Moldavia, SOLARI, Ann. Mus. Genova xli; *B. minima*, E. Africa, HARTMANN, p. 414, Deutsche ent. Zeitschr. 1904; *B. distinguenda*, Madagascar, FAIRMAIRE, p. 251, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Barypithes; characters and composition, FORMÁNEK, pp. 16, 151–173, Munchen. Kol. Zeitschr. ii.

B. maritimus, Basses Alpes, FORMÁNEK, p. 297, t. c. **n. sp.**

Belus centralis = (*granulatus* Lea), LEA, p. 132, Tr. R. Soc. S. Austral. xxviii.

Blosyrus haroldi, Usambara, HARTMANN, p. 369, Deutsche ent. Zeitschr. 1904, **n. sp.**

Bothynoderes tekkensis, *absolutus*, no locality, p. 211, *kahirinus*, Cairo, p. 212, FAUST, Deutsche ent. Zeitschr. 1904, **n. spp.**

Brachycleonus **n. g.** pp. 190, 237, for *fronto* Fisch., FAUST, Deutsche ent. Zeitschr. 1904.

Brachyderes incanus, natural history, metamorphosis, JACOBI (737).

Broconius **n. g.** for part of *Lixus*, DESBROCHERS, p. 92, Frelon xii.

Bryochæta subcruciata = (*palliata* Pasc.), *sulcipennis* Th. = (*sufflata* Pasc.), *nigrita* Chev. = (*viridis* Pasc.), HELLER, pp. 181, 182, Ent. Tidskr. xxv.

B. sellata, *apicalis*, p. 183, *sjostedti*, p. 184, Cameroons, id. t. c. **n. spp.**

Cœnopsis maroccana, Tangier, SOLARI, p. 525, Ann. Mus. Genova xli, **n. sp.**

Calodemas **n. g.** pp. 185, 233, *C. vetustum*, *pullum*, *biguttatum*, p. 233, *puberulum*, *invidum*, p. 234, **n. spp.**, Africa, FAUST, Deutsche ent. Zeitschr. 1904.

Cathormiocerus ragusai, Sicily, VITALE, Riv. Col. ital. ii? p. 125 [not seen by Recorder]; *C. semidepressus*, p. 92, *vaulogeri*, p. 93, Algeria, PIC, Echange xx : **n. spp.**

Catoptes vexator, p. 108, *egens*, p. 109, *duplex*, p. 110, New Zealand, BROUN, Ann. Nat. Hist. xiv, **n. spp.**

Cecyropa alternata, p. 105, *discors*, p. 106, New Zealand, BROUN, t. c. **n. spp.**

Centrinus lineellus, Guatemalan not N. American, CASEY, p. 324, Canad. Ent. xxxvi.

Centorrhynchus albolimbatus, Tunis, *laborensis*, Algeria, PIC, p. 93, Echange xx, **n. spp.**

Chærocephalus hyperoides, p. 99, *siculus*, p. 100, Sicily, RAGUSA, Natural. Sicil. xvii; *C. grandis*, Algeria, PIC, p. 92, Echange xx : **n. spp.**

Chærodrys pictus St. = (*cressius* Pic), REITTER, p. 83, Wien. ent. Zeit. xxiii; *C. manteroi* ♂, SOLARI, p. 536, Ann. Mus. Genova xli.

Chalcodermus dentiferus, pl. xvii, fig. 2, p. 317, *angulicollis*, fig. 4, p. 319, *calidus*, fig. 5, p. 320, *longirostris*, fig. 11, *serripes*, fig. 12, p. 325, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4; *C. æneus*, natural history, CHITTENDEN, pp. 39–43, Bull. U. S. Dep. Agric. Ent. xliv.

C. semicostatus, Texas, SCHAEFFER, p. 232, J. N. York Ent. Soc. xii; *C. nigroæneus*, *cupreipes*, p. 318, *angularis*, p. 319, pl. xvii, fig. 3, *dentipes*, fig. 6, *foveolatus*, fig. 7, p. 321, *variolosus*, *curvipes*, fig. 8, p. 322, *lineatus*, fig. 9, *radiatus*, p. 323, *cittatus*, *mexicanus*, fig. 10, p. 324, *crassipes*, fig. 13, p. 325, Central America, CHAMPION, t. c. **n. spp.**

Chaunoderus sternalis, p. 381, *apicalis*, p. 382, Africa, HARTMANN, Deutsche ent. Zeitschr. 1904, **n. spp.**

Chromosomus schach, Persia, *ostentatus*, Turcomania, FAUST, p. 208, Deutsche ent. Zeitschr. 1904, **n. spp.**

Chrysolophus spectabilis, variation, LEA, p. 102, P. Linn. Soc. N. S. Wales xxix.

C. foveatus, N. S. W., LEA, p. 101, t. c. **n. sp.**

Cionellus **subg. n.**, cf. *Cionus*.

Cionus; table of Palæarctic with numerous varr. n., also p. 63, *Cionellus* subg. n. for *C. gibbifrons*, REITTER, Wien. ent. Zeit. xxiii, pp. 47–64; *C. fraxini* var. *attica*, PIC, p. 50, Echange xx; *C. obscurus* Reitt. = (*flavoguttatus* Stierl.), REITTER, p. 259, Wien. ent. Zeit. xxiii.

C. schultzei, Greece, p. 50, *subalpinus*, Alps, p. 54, *helleri*, Japan, p. 56, REITTER, Wien. ent. Zeit. xxiii; *C. elegantulus*, Madagascar, FAIRMAIRE, p. 251, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Cleogonus armatus, Mexico-Colombia, p. 315, pl. xvii, fig. 1, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4, **n. sp.**

Cleonides; a revision of this group by the late Herr J. Faust is published, Deutsche ent. Zeitschr. 1904, pp. 177–302. It is accompanied by a catalogue and we give therefore only the new genera and species.

Cleonus varquesi, Toledo, DESBROCHERS, p. 106, Frelon xii; *C. japonicus*, Japan, FAUST, p. 237, Deutsche ent. Zeitschr. 1904 : **n. spp.**

Clypeorhynchus inophlæoides, New Zealand, BROUN, p. 117, Ann. Nat. Hist. xiv, **n. sp.**

Cnemodontus ambitiosus, *natalensis*, S. Africa, FAUST, p. 199, Deutsche ent. Zeitschr. 1904, **n. spp.**

Cneorhinus depilatus, Tunis, DESBROCHERS, p. 105, Frelon xii, **n. sp.**

Cœnopsimorphus tenietensis, Tunis, *desbrochersi*, Algeria, PIC, p. 91, Echange xx, **n. spp.**

Conapion constricticolle, p. 396, *cognatum*, p. 397, E. Africa, HARTMANN, Deutsche ent. Zeitschr. 1904, **n. spp.**

Conorhynchus luigionii, Rome, SOLARI, p. 528, Ann. Mus. Genova xli; *Conorhynchus*, *globifrons*, *arduus*, Mongolia, p. 214, *acentatus*, Kirghisia, p. 215, FAUST, Deutsche ent. Zeitschr. 1904 : **n. spp.**

Conotrachelus inexplicatus Faust, pl. xviii, fig. 28, p. 360, *signatus* Kirsch, fig. 30, p. 361, *cristatus* Fahr., pl. xix, fig. 9, p. 375, *dentiferus* Fahr., fig. 11, p. 376, *cestrotus* Faust, fig. 26, p. 388, *leucophæatus* Fahr. =(*demens* Boh.), pl. xx, fig. 5, p. 394, *subfasciatus* Boh., fig. 27, p. 413, *anaglypticus* Say, pl. xxi, fig. 5, p. 420, *humerosus* Fahr., fig. 11, p. 425, *scapularis* Fahr., fig. 16, p. 430, *serpentinus* Boh., fig. 19, p. 433, *sobrinus* Boh., fig. 22, p. 435, *verticalis* Boh., fig. 25, p. 439, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

C. quadridens, pl. xviii, fig. 1, p. 343, *inæquidens*, fig. 2, *tridens*, fig. 3, p. 344, *serratidens*, fig. 4, *truncatidens*, fig. 5, p. 345, *tetrastigma*, figg. 6, 7, p. 346, *rectirostris*, fig. 8, *fulvescens*, fig. 9, p. 347, *latidens*, fig. 10, *varicolor*, fig. 11, p. 348, *oculatus*, fig. 12, *triannulatus*, p. 349, *squamulatus*, fig. 13, *armatus*, p. 350, *lævirostris*, fig. 14, *flexuosus*, fig. 15, p. 351, *fulvomaculatus*, fig. 16, *robustus*, p. 352, *longipennis*, fig. 17, *rugulosus*, fig. 18, p. 353, *rugiventris*, fig. 19, *longirostris*, fig. 20, p. 354, *latefasciatus*, *squamosus*, fig. 21, p. 355, *glabriventris*, *anthonomoides*, fig. 22, p. 356, *subulatus*, fig. 23, *brevicollis*, fig. 24, p. 357, *alboplagiatus*, fig. 25, p. 358, *albosignatus*, fig. 26, *curvidens*, fig. 27, p. 359, *quadripustulatus*, fig. 29, p. 360, *cribratus*, p. 361, *impressicollis*, *brevirostris*, pl. xix, fig. 1, p. 362, *flavibasis*, fig. 2, p. 363, *foveicollis*, fig. 3, *griseus*, p. 364, *unidentatus*, *fasciculatus*, p. 365, *picticollis*, fig. 4, *lineatipes*, p. 366, *multiguttatus*, *curtirostris*, p. 367, *rufitarsis*, *sinuaticollis*, fig. 5, p. 368, *germanus*, *nigricans*, p. 369, *fulvopictus*, *flavangulus*, p. 370, *annulipes*, *duplicatus*, p. 372, *bispinis*, fig. 6, *mixtus*, fig. 7, p. 373, *continuus*, *bilineatus*, fig. 8, p. 374, *divirgatus*, fig. 10, p. 375, *venustus*, fig. 12, p. 376, *albolineatus*, fig. 13, *eburneus*, fig. 14, p. 377, *albinus*, fig. 15,

p. 378, *sellatus*, *curvilineatus*, fig. 16, p. 379, *minutus*, *dimidiatus*, p. 380, *deplanatus*, fig. 17, *præstans*, fig. 18, p. 381, *trilineatus*, fig. 19, p. 382, *nodulosus*, *discifer*, fig. 20, p. 383, *corallinus*, fig. 21, p. 384, *striatirostris*, *crenatus*, p. 385, *quadrinodosus*, fig. 22, *gibbipennis*, fig. 23, p. 386, *hybophorus*, fig. 24, *cærulescens*, fig. 25, p. 387, *spinifer*, fig. 27, p. 388, *reticulatus*, fig. 28, p. 389, *piliventris*, fig. 29, *granulicollis*, fig. 30, p. 390, *unifasciatus*, pl. xx, fig. 1, *albofasciatus*, fig. 2, p. 391, *vittaticollis*, fig. 3, *megalops*, fig. 4, p. 392, *constrictus*, *sextuberculatus*, p. 393, *umbrosus*, p. 394, *canaliculatus*, *opacus*, pl. xx, fig. 6, p. 395, *arachnoides*, fig. 7, *albifrons*, fig. 8, p. 396, *cordatus*, fig. 9, p. 397, *gibbirostris*, fig. 10, *excavatus*, p. 398, *sulcicollis*, *cavicrus*, fig. 11, p. 399, *fulvibasis*, *rufescens*, p. 400, *nemorivagus*, *divisus*, fig. 12, p. 401, *obliquelineatus*, fig. 13, *brevisetis*, fig. 14, p. 402, *squamifrons*, fig. 15, p. 403, *suturalis*, fig. 16, *albopictus*, fig. 17, p. 404, *scoparius*, fig. 18, *lobatus*, fig. 19, p. 405, *compressus*, fig. 20, *rubidus*, fig. 21, p. 406, *isthmicus*, p. 407, *fulvolineatus*, *silvicola*, p. 408, *uncifer*, fig. 22, *lineatus*, p. 409, *parvulus*, *adustus*, fig. 23, p. 410, *candidus*, fig. 24, *farinosus*, p. 411, *parvicollis*, *crucifer*, fig. 25, p. 412, *cinerascens*, fig. 26, p. 413, *semirufus*, fig. 28, p. 414, *dilatirostris*, fig. 29, *sinuatocostatus*, p. 415, *segregatus*, *latirostris*, fig. 31, p. 416, *nodifer*, pl. xxi, fig. 1, p. 417, *elongatus*, fig. 2, p. 418, *hystricosus*, fig. 3, *bicarinatus*, fig. 4, p. 419, *insularis*, fig. 6, *tuberculatus*, fig. 7, p. 421, *quadrilineatus*, fig. 8, p. 422, *mexicanus*, fig. 9, *ramifer*, p. 423, *punctiventris*, *uniformis*, fig. 10, p. 424, *nodifrons*, p. 425, *ovalis*, *alternans*, p. 426, *validus*, fig. 12, *lateralis*, fig. 13, p. 427, *longidens*, fig. 14, p. 428, *dentimanus*, fig. 15, *tenuipes*, p. 429, *aristatus*, fig. 17, p. 430, *curtus*, *paleatus*, p. 431, *guatemalensis*, *conicicollis*, fig. 18, p. 432, *incanus*, fig. 20, *sulcipectus*, *spinipennis*, fig. 21, p. 434, *glabricollis*, *ciliatus*, fig. 23, p. 436, *sublineatus*, *tabogensis*, p. 437, *cucullatus*, *insignis*, *angusticollis*, p. 438, *curvimanus*, fig. 24, p. 439, *rufifrons*, *planifrons*, p. 440, Central America, CHAMPION, t. c.; *C. rubescens*, Texas, SCHAEFFER, p. 232, J. N. York Ent. Soc. xii : **n. spp.**

Copturus (*Eucopturus*) *papei*, p. 292, *spinithorax*, p. 293, Brazil, HELLER, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Cosmogaster **n. g.** pp. 185 & 230, for *lateralis* Gyll., etc., FAUST, Deutsche ent. Zeitschr. 1904.

Cossonidæ of Sicily, VITALE, Natural. Sicil. xvi & xvii, pp. 14 & 26–41.

Cossonus camerunus, Cameroons, HELLER, p. 200, Ent. Tidskr. xxv; *C. corvinus*, p. 418, *brevinasus*, p. 419, E. Africa, HARTMANN, Deutsche ent. Zeitschr. 1904 : **n. spp.**

Crisius dorsalis, New Zealand, BROUN, p. 123, Ann. Nat. Hist. xiv, **n. sp.**

Cyclobarus foveicollis, Algeria, DESBROCHERS, p. 59, Frelon xii, **n. sp.**

Cyclomaurus subfuscus, Algeria, PIC, p. 91, Echange xx, **n. sp.**

Cylindrocopturus = (*Copturodes* Cas.), CASEY, p. 324, Canad. Ent. xxxvi.

Degorsia, cf. *Stenopelmus*.

Derelomus fasciatus, p. 406, *pallidus*, p. 407, E. Africa, HARTMANN, Deutsche ent. Zeitschr. 1904, **n. spp.**

Desmidophorus galericulus = (*centralis* Fairm.), FAIRMAIRE, p. 247, Ann. Soc. ent. Belgique lxviii.

D. griseipes, Madagascar, id. l. c., **n. sp.**

Dicasticus lateralis, Usambara, HARTMANN, p. 375, Deutsche ent. Zeitschr. 1904, **n. sp.**

Dichelotrox **n. g.** *Zygopidarum*, p. 193, *D. bimbianus* **n. sp.**, Cameroons, p. 194, HELLER, Ent. Tidskr. xxv.

Dichthorrhinus albozebrinus, Madagascar, FAIRMAIRE, p. 252, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Dicranotropis **n. g.** pp. 186, 203, for *hieroglyphicus* Ol. and *ganglbaueri* **n. sp.**, Persia, p. 203, FAUST, Deutsche ent. Zeitschr. 1904.

Dinocleus porcatus, p. 321, *interruptus*, Utah, *mexicanus*, Guerrero, p. 322, CASEY, Canad. Ent. xxxvi, **n. spp.**

Dinosius **n. g.** near *Mitophorus*, *D. asperipennis* **n. sp.**, Madagascar, FAIRMAIRE, p. 238, Ann. Soc. ent. Belgique xlviii.

Echinocnemus gracilirostris, Madagascar, FAIRMAIRE, p. 241, t. c. **n. sp.**

Ectemnorhinus richtersi, p. 673, *crozetensis*, p. 674, Crozet islds., ENDERLEIN, Zool. Anz. xxvii, **n. spp.**

Ellimenistes amœnus, Usambara, HARTMANN, p. 386, Deutsche ent. Zeitschr. 1904, **n. sp.**

Elytrodon dilaticollis, Cérigo, PIC, p. 10, Echange 1904; *E. ferox*, Asia Minor, K. DANIEL, p. 82, Munchen. Kol. Zeitschr. ii : **n. spp.**

Engallus galactoderus, Madagascar, FAIRMAIRE, p. 239, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Ephimeronotus **n. g.** pp. 187, 234, for *miegi* Fairm., FAUST, Deutsche ent. Zeitschr. 1904.

Epilectus **n. n.** for *Exochus* Chev., FAUST, p. 208, t. c.

Epiphylax apicalis Fairm. to *Metialma*, FAIRMAIRE, p. 248, Ann. Soc. ent. Belgique xlviii.

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Urometopus **subg. n.**, cf. *Omias*, *U. ferrugineus*, Astrabad, FORMÁNEK, p. 299, Munchen. Kol. Zeitschr. ii, **n. sp.**

Xanium **n. g.** near *Ectemnorhinus*, for *X. vanhoeffenianum* **n. sp.**, Crozet islds., ENDERLEIN, p. 670, Zool. Anz. xxvii.

Xanthochelus tropicus, *beatus*, *nepotalis*, Africa, p. 260, *assamensis*, *insubidus*, India, *figuratus*, *insolens*, Africa, p. 261, FAUST, Deutsche ent. Zeitschr. 1904, **n. spp.**

Xenomacrus **n. g.** pp. 186, 201, for S. African spp., FAUST, t. c.

Xynæa uniformis, Kings Sound, LEA, p. 123, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Yuccaborus lentiginosus, Texas, CASEY, p. 323, Canad. Ent. xxxvi, **n. sp.**

Zantes concexicollis, *rufinus*, Madagascar, FAIRMAIRE, p. 246, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Zephryne personata, N. S. Wales, LEA, p. 115, Tr. R. Soc. S. Austral. xxviii, **n. sp.**
Zurus spilothorax, Brazil, HELLER, p. 291, Ann. Soc. ent. Belgique xlviii, **n. sp.**

SCOLYTIDÆ.

[Cf. BLANDFORD (614), BROUN (184), HAGEDORN (647–651), HOPKINS (704), KNOCKE (823), LEA (864), POWELL (1104).]

Photographs of the work etc. of numerous *Scolytidæ*, HOPKINS, Bull. U. S. Dep. Agric. Ent., No. 48, 22 pls.
The generations in *Scolytidæ*, KNOCKE (823).
Scolytidæ of Moravia, FORMÁNEK (535).

Brachyspartus ebeninus, pl. viii, f. 11, *barbatus*, Panama, BLANDFORD, p. 265, Biol. Centr.-Amer. Col. iv, pt. 6, **n. spp.**
Coccotrypes eggersii, S. America, in fruit of *Phytelephas*, HAGEDORN, p. 449, Allg. Zeitschr. Ent. ix.
Corthylus, the genus with table of species, BLANDFORD, pp. 251–254, Biol. Centr.-Amer. Col. iv, pt. 6.
C. flagellifer, pl. viii, f. 2, p. 255, *luridus*, p. 256, *ptyocerus*, f. 5, p. 257, *comatus*, p. 258, *panamensis*, p. 259, *rubricollis*, p. 260, *collaris*, *parvulus*, p. 261, Central America, *fuscus*, Brazil, *discoideus*, Venezuela, p. 262, id. t. c. **n. spp.**
Cryphalus granulatus, p. 229, var. n. *tredlii*, p. 232, *C. asperatus* Gyll. =(*binodulus* Ratz.) p. 230, HAGEDORN, Munchen. Kol. Zeitschr. ii.
C. grothii, Centr. Eur., id. t. c., p. 232 and 372, cut, **n. sp.**
Dendroctonus valens, note on habits, POWELL, p. 239, J. N. York Ent. Soc. xii.
Dendroterus **n. g.** near *Dryocœtes*, *D. mexicanus*, pl. vii, f. 25, *sallæi* **n. spp.** Mexico, BLANDFORD, p. 233, Biol. Centr.-Amer. Col. iv, pt. 6.
Glochinocerus **n. g.** *Corthyli*, *G. retusipennis*, pl. ix, figg. 1, 2, p. 266, *gemellus*, p. 267, **n. spp.**, Guatemala, BLANDFORD, t. c.
Gnathotrichus consentaneus, pl. vii, f. 26, p. 247, *bituberculatus*, p. 248, Guatemala, BLANDFORD, t. c. **n. spp.**
Hylesinus fici, Sydney, LEA, p. 103, P. Linn. Soc. N. S. Wales xxix, **n. sp.**
Hylocurus spinifex, Mexico, pl. vii, f. 23, p. 225, BLANDFORD, Biol. Centr.-Amer. Col. iv, pt. 6, **n. sp.**
Hypothenemus eruditus, synonymy and habitat, BLANDFORD, pp. 229, 230, t. c.
H. validus, Mexico, p. 228, *lævigatus*, Nicaragua, p. 229, id. t. c. **n. spp.**
Ips curvidens and allies, distinctions, BARGMANN, pp. 262–264, Allg. Zeitschr. Ent. ix.
Mesoscolytus **n. g.** p. 125, for *M. inurbanus* **n. sp.**, New Zealand, p. 126, BROUN, Ann. Nat. Hist. xiv.
Metacorthylus **n. g.** *M. nigripennis* **n. sp.**, Panama, pl. viii, f. 10, p. 263, BLANDFORD, Biol. Centr.-Amer. Col. iv, pt. 6.
Phlœobius vittatus, ♂, UYTTENBOOGAART, p. 143, Ent. Ber. Nederland. i.
Pityophthorus nigricans, p. 236, *amœnus*, *confusus*, p. 237, *poricollis*, *cacuminatus*, p. 238, *guatemalensis*, p. 239, *diglyphus*, *obtusipennis*, p. 240, *timidus*, *confinis*, p. 241, *cincinnatus*, *obsoletus*, p. 242, *P.* ? *incompositus*, p. 243, *carinifrons*, *politus*, p. 244, *deyrollei*, *incommodus*, p. 245, Central America, BLANDFORD, Biol. Centr.-Amer. Col. iv, pt. 6, **n. spp.**
Platypus australis, sexes, LEA, p. 105, P. Linn. Soc. N. S. Wales xxix.
P. omnivorus, Tasmania, id., p. 104, t. c. **n. sp.**
Pterocyclon, characters and synonymy, BLANDFORD, pp. 288–270, Biol. Centr.-Amer. Col. iv, pt. 6.
P. melanura, pl. viii, f. 13, p. 272, *præruptum*, *tomicoides*, f. 15, p. 273,

hoegei, p. 274, *umbrinum*, *consimile*, p. 275, *difficile*, *luctuosum*, p. 276, *bidens*, p. 277, *glabrifrons*, *punctifrons*, p. 278, *cordatum*, p. 279, *terminatum*, *egenum*, p. 280, Centr. America, BLANDFORD, t. c. **n. spp.**

Scolytoplatypus and its species discussed, HAGEDORN, pp. 404–413, Stettin Ent. Zeit. lxv.

S. fasciatus, Caffraria, id. p. 405, t. c.; *S. hamatus*, Java, HAGEDORN, p. 260, cuts, Ins. Borse 1904; *S. pubescens*, p. 123, *minimus*, p. 125, Darjiling, *muticus*, p. 124, Japan, HAGEDORN, Bull. Mus. Paris 1904 : **n. spp.**

Scolytus, synonymical notes, SEMENOW, pp. 37, 38, Rev. Russe Ent. iv.

Styphlosoma **n. g.** near *Cryphalus*, *S. granulatum* **n. sp.**, Panama, BLANDFORD, p. 232, Biol. Centr.-Amer. Col. iv, pt. 6.

Tomicus truncatus Er. = (*Amasa thoracica* Lea), LEA, p. 106, P. Linn. Soc. N. S. Wales xxix; *T. plastographus*, natural history, POWELL, p. 238, J. N. York Ent. Soc. xii.

Xyleborus, to this belong *Xylopertha compressa*, *hirsuta* and *parva* Lea, LEA, p. 106, P. Linn. Soc. N. S. Wales xxix; *X. perforans*, in *Phytelephas* fruit, HAGEDORN, p. 449, Allg. Zeitschr. Ent. ix; *X. dispar*, larval structure, habits, CHAPMAN, pp. 100–102, Tr. ent. Soc. London 1904.

X. hirtus, *geminatus*, Darjiling, HAGEDORN, p. 126, Bull. Mus. Paris 1904, **n. spp.**

BRENTHIDÆ.

Larva of *Brenthus lineicollis*, HELLER, p. 397, Stettin Ent. Zeit. lxv.

Notes on N. American *Brenthidæ*, BEYER, p. 168, J. N. York Ent. Soc. xii, and corrections, t. c. p. 257.

ANTHRIBIDÆ.

[Cf. JORDAN (767–769, 772), PIC (1069), SCHAEFFER (1220), SCHILSKY (1227).]

Acorynus tonkinianus, *mosonicus*, Tonkin, JORDAN, p. 232, Nov. Zool. xi, **n. spp.**

Allandrus indistinctus, Bolivia, JORDAN, p. 242, t. c. **n. sp.**

Anthrenosoma **n. g.** p. 281, *A. tibialis*, *bohlsi*, *gounellei*, p. 282, **n. spp.**, S. America, JORDAN, t. c.

Anthribus wallacei philippinensis, *malaicus* subspp. n., JORDAN, p. 235, t. c.

A. planatus, Gold Coast, JORDAN, p. 239, t. c.; *A. macrocerus*, Sikkim, *frontalis*, Sumatra, JORDAN, p. 235, t. c.; *A. farinatus*, *gounellei*, p. 296, *lævipennis*, *picticollis*, p. 297, *frenatus*, *analis*, p. 298, *lineiger*, *collaris*, *inæqualis*, p. 299, *plagiatus*, p. 300, S. America, JORDAN, t. c.; *A. bipunctatus*, p. 235, *penicellatus*, p. 236, Texas, SCHAEFFER, J. N. York Ent. Soc. xii : **n. spp.**

Apatenia poecila, p. 85, *gularis*, p. 86, New Guinea, JORDAN, Ann. Mus. Genova xli, **n. spp.**

Apolecta tonkiniana, Manson Mts., p. 236, *diversa*, Borneo, p. 237, JORDAN, Nov. Zool. xi, **n. spp.**

Asemorhinus sportella, Sumatra, Borneo, JORDAN, p. 234, t. c. **n. spp.**

Barra **n. g.** p. 274, *B. gounellei* **n. sp.**, Bahia, p. 275, JORDAN, t. c.

Blaberops **n. g.** near *Blaberus*, p. 238, *B. macrocerus* **n. sp.**, Usambara, p. 239, JORDAN, t. c.

Caccorhinus obscurus, Celebes, JORDAN, p. 236, t. c. **n. sp.**

Callanthribus **n. g.** near *Sintor*, p. 82, *C. xanthomelas* **n. sp.**, New Guinea, p. 83, JORDAN, Ann. Mus. Genova xli.

Corrhecerus melaleucus, *æqualis*, S. America, JORDAN, p. 271, Nov. Zool. xi, **n. spp.**

Dasyrhopala **n. g.** near *Discotenes*, *D. tarsalis* **n. sp.**, Brazil, JORDAN, p. 272, t. c.
Dendrotrogus colligens papuanus subsp. n., JORDAN, p. 84, Ann. Mus. Genova xli.
Discotenes consors, Peru, JORDAN, p. 272, Nov. Zool. xi, **n. sp.**
Domoptolis **n. g.** for *Gymnognathus menetriesi* Boh., JORDAN, p. 252, t. c.
Doticus convexus, Celebes, p. 90, *planatus*, New Guinea, p. 91, JORDAN, Ann. Mus. Genova xli, **n. spp.**
Epitaphius lunatus, E. Africa, JORDAN, p. 240, Nov. Zool. xi, **n. sp.**
Erotylopsis **n. g.** near *Euparius*, p. 308, *E. pujoli* **n. sp.**, Brazil, p. 309, JORDAN, t. c.
Eucorynus unicolor, Ternate, JORDAN, p. 85, Ann. Mus. Genova xli, **n. sp.**
Eucyclotropis **n. g.** near *Discotenes*, *E. pustulata*, *striata*, Brazil, p. 273, *pylades*, Mexico, p. 274, **n. spp.**, JORDAN, Nov. Zool. xi.
Eugigas harmandi, pl. viii, figg. 15, 16, p. 129, LESNE, Mission Pavie iii.
Eugonodes **n. g.** near *Eugonus*, *E. marmoreus*, *brevirostris* **n. spp.**, Brazil, JORDAN, Nov. Zool. xi.
Eugonops **n. g.** *E. germaini*, Bolivia, *clericus*, Bahia, p. 285, **n. spp.**, JORDAN, t. c.
Eugonus simplex, *tenuis*, p. 300, *robustus*, *ornatus*, *particolor*, p. 301, S. America, JORDAN, t. c. **n. spp.**
Euparius polius, *obesus*, *calcaratus*, p. 303, *molitor*, *similis*, p. 304, *consors*, *nodosus*, *rufus*, p. 305, *nigritarsis*, p. 306, *albiceps*, *parvulus*, *hypsideres*, p. 307, *quagga*, *suturalis*, p. 308, S. America, JORDAN, t. c. **n. spp.**
Euphlœobius **n. g.** near *Phlœobius*, *E. asellus* **n. sp.**, E. Africa, JORDAN, p. 239, t. c.
Eusintor **n. g.** near *Sintor*, p. 80, *E. loriæ* **n. sp.**, New Guinea, p. 81, JORDAN, Ann. Mus. Genova xli.
Eusphyrus scutellaris, p. 290, *hamatus*, *lateralis*, *nubilis*, p. 291, S. America, JORDAN, Nov. Zool. xi, **n. spp.**
Exechontis **n. g.** near *Gibber*, p. 283, *E. sparsa* **n. sp.**, Brazil, p. 284, JORDAN, t. c.
Gonioclœus **n. g.** p. 260, *G. baccatus*, *melas*, p. 261, *minor*, *hirsutus*, *apicalis*, p. 262, S. America, *tarsalis*, Costa Rica, p. 263, *capucinus*, Peru, *umbrinus*, Mexico, p. 264, **n. spp.**, JORDAN, t. c.
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Habrissus tonkinianus, Tonkin, JORDAN, p. 234, t. c. **n. sp.**
Homoclœus **n. g.** *H. concolor*, p. 264, *femoralis*, Nicaragua, *vestitus*, p. 265, *dorsalis*, p. 266, S. America, **n. spp.**, JORDAN, t. c.
Hypseus axillaris major, p. 87, *H. frenatus morio*, p. 88, subspp. n., JORDAN, Ann. Mus. Genova xli.
Hypseus vestitus, Celebes, JORDAN, p. 87, t. c. **n. sp.**
Lagopezus lugubris, Rio de Janeiro, JORDAN, p. 275, Nov. Zool. xi, **n. sp.**
Litocerus histrio fluviatilis subsp. n., JORDAN, p. 85, Ann. Mus. Genova xli.
L. sticticus, Tonkin, JORDAN, p. 233, Nov. Zool. xi, **n. sp.**
Mecocerus hauseri, W. Africa, JORDAN, p. 238, t. c.; *M. callosus*, Tonkin, JORDAN, p. 231, Nov. Zool. xi : **n. spp.**
Mecotropis cylindricus, Tonkin, JORDAN, p. 230, t. c. **n. sp.**
Misthosima crucifera, New Guinea, JORDAN, p. 90, Ann. Mus. Genova xli, **n. sp.**
Monoclœus **n. g.** *M. elaphrinus*, *spiniger*, p. 255, *annulipes*, *basalis*, p. 256, *rhombifer*, *or*, p. 257, *sordidus*, S. America, *idacus*, Mexico, p. 258,

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Nemotrichus, tabulated, p. 270, *N. jekeli*, *andicola* and *uniformis*, subspp. n., p. 269, JORDAN, t. c.

N. vitticollis, Cayenne, *armatus*, Costa Rica, p. 267, *niger*, *pœcilus*, p. 268, *fuscus*, *obtusus*, p. 269, S. America, JORDAN, t. c. **n. spp.**

Nessiara armata, p. 233, *mosonica*, p. 234, Tonkin, JORDAN, t. c. **n. spp.**

Ormiscus, and allies, synonymy, classification, JORDAN, p. 286, t. c.

O. cupreus, p. 286, *ornatus*, *ancora*, *costifer*, p. 287, *sparsilis*, *vulgaris*, p. 288, *discifer*, *spilotus*, *lineatus*, *costifrons*, p. 289, *brevis*, *angulatus*, p. 290, S. America, JORDAN, t. c. **n. spp.**

Orthotropis **n. g.** near *Gymnognathus*, *O. quadrata* **n. sp.**, Brazil, JORDAN, p. 254, t. c.

Paranthribus **n. g.** *P. rufescens* **n. sp.**, Bahia, JORDAN, p. 283, t. c.

Parexillis **n. g.** *P. lineatus*, p. 284, *variegatus*, p. 285, **n. spp.**, Brazil, JORDAN, t. c.

Phœnithon tibialis, *longitarsis*, p. 292, *longicornis*, *lævipennis*, p. 293, S. America, *nigritarsis*, Centr. America, *similis*, p. 294, *pictus*, *ruficollis*, p. 295, S. America, JORDAN, t. c.

Phœochrotus phorcas, Burma, JORDAN, p. 80, Ann. Mus. Genova xli, **n. sp.**

Phanosolena **n. g.** *Tropiderini*, p. 234, *P. nigrotuberculata* **n. sp.**, Texas, p. 235, SCHAEFFER, J. N. York. Ent. Soc. xii.

Phlœobius lineifer, p. 240, *striga*, *pachymerus*, p. 241, E. Africa, JORDAN, Nov. Zool. xi; *P. papuanus*, New Guinea, JORDAN, p. 89, Ann. Mus. Genova xl : **n. spp.**

Physopterus oculatus, Tonkin, JORDAN, p. 231, Nov. Zool. xi, **n. sp.**

Piezocorynus brevis, *plagifer*, *compar*, p. 277, *verrucatus*, *suturalis*, p. 278, *dorsalis*, *homœus*, *alternans*, p. 279, *basalis*, p. 280, S. America, JORDAN, t. c. **n. spp.**

Piezonemus **n. g.** near *Piezocorynus*, p. 275, *durus*, *lateralis*, p. 276, **n. spp.**, Brazil, JORDAN, t. c.

Rawasia gestroi, Celebes, p. 83, *convexa*, Java, p. 84, JORDAN, Ann. Mus. Genova xli, **n. spp.**

Scymnopis **n. g.** *S. suturalis* **n. sp.**, Bolivia, JORDAN, Nov. Zool. xi.

Strabops **n. g.** near *Gymnognathus*, *S. insignis* **n. sp.**, Amazons, JORDAN, p. 253, t. c.

Sympaector fruhstorferi, Tonkin, JORDAN, p. 233, t. c. **n. sp.**

Toxotropis irroratus, p. 233, *submetallicus*, p. 234, Texas, SCHAEFFER, J. N. York Ent. Soc. xii, **n. spp.**

Trachytropis **n. g.** *T. asper* **n. sp.**, Mexico, JORDAN, p. 266, Nov. Zool. xi.

Uncifer **n. g.** near *Gibber*, *U. sticticus* **n. sp.**, Burma, JORDAN, p. 88, Ann. Mus. Genova xli.

Urodon baudii=(*granulatus* Schilsky), PIC, p. 218, Bull. Soc. ent. France 1904.

U. anatolicus, *rosinæ*, Anatolia, PIC, p. 40, Echange 1904; *U. ciliatus*, Buchara, *granulatus*, Algeria, *korbi*, Anatolia, SCHILSKY, p. 78, Wien. ent. Zeit. xxiii, **n. spp.**

Xenocerus lautus, Tonkin, JORDAN, p. 230, Nov. Zool. xi; *X. suturalis*, Ron isld., JORDAN, p. 89, Ann. Mus. Genova xli, **n. spp.**

CERAMBYCIDÆ.

[Cf. AURIVILLIUS (57, 58), BAECKMANN (74), BROUN (184), CHITTENDEN & WEBSTER (1498), CSIKI (330), DANIEL (345, 347), DAVIS (353), DISTANT (382), FAIRMAIRE (473, 474), FELT & JOUTEL (495B), HAUSER (665), HELLER (673), JORDAN (770), LAMEERE (854, 855), NICOLAS (981), PIC (1063, 1072, 1073), SCHAEFFER (1220).]

LAMEERE continues his revision of *Prionides*, Ann. Soc. ent. Belgique 1904, 9th part, *Callipogonines*; 10th memoir, *Titanines*, t. c. pp. 310–352.

A monograph of the S. African *Cerambycidæ*, in which all the species are figured has been published by DISTANT (382). The new species and genera are described by GAHAN, who also remarks, in various places, on the classification of *Cerambycidæ*, and the wing-nervures of *Prionides* and allies. No attempt has been made by the Recorder to deal with the synonymy of this memoir.

CSIKI continues his papers on the *Cerambycidæ* of Hungary, Rov. Lapok xi, pp. 35 etc.

In Echange xx PIC advertises Part v of his Matériaux pour servir à l'étude des *Longicornes*. I have not seen this work and do not know whether it is a genuine publication. This was denied in the case of previous parts.

Agaleptus **n. g.** for *Closteromerus quadrinotatus* Pér., GAHAN, p. 122, Distant, Ins. Transvaal i.

Aliturus fusculus, Madagascar, FAIRMAIRE, p. 254, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Anauxesis simplex, Brit. E. Africa, JORDAN, p. 365, Nov. Zool. xi, **n. sp.**

Anisogaster brunneus, Madagascar, FAIRMAIRE, p. 254, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Anoplistes jacobsoni, Syr-Darja, BAECKMANN, p. 312, Rev. Russe Ent. 1904, **n. sp.**

Artelida caligata, Madagascar, FAIRMAIRE, p. 255, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Ataxia spinicauda, Florida, SCHAEFFER, p. 224, J. N. York Ent. Soc. xii, **n. sp.**

Bisaltes bimaculatus, Bolivia, AURIVILLIUS, p. 207, Ent. Tidskr. xxv, **n. sp.**

Cædomæa blucheaui, *nebulosa*, p. 259, *griseotincta*, p. 260, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Calanthemis hauseri, Brit. E. Africa, JORDAN, p. 364, Nov. Zool. xi, **n. sp.**

Callergates **subg. n.** of *Ergates* for *E. gaillardoti*, of which *akbesianus* Pic is synonym, LAMEERE, p. 47, Ann. Soc. ent. Belgique xlviii.

Callipogon (*Eoxenus*), natural history and systematic notes, SEMENOV, pp. 220–224, Rev. Russe Ent. iv.

C. beckeri, Mexico, p. 56, *C.* (*Orthomegas*) *pehlkei*, Peru, p. 60, *C.* (*Callomegas*) *proletarius*, Porto Rico, p. 66, LAMEERE, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Callomegas **subg. n.** of *Callipogon*, p. 64, for *C. sericeus* Ol., and *C.*, sp. n., LAMEERE, t. c.

Caloclytus krantzi, Transvaal, GAHAN, pl. xi, fig. 19, p. 123, Distant, Ins. Transvaal. i, **n. sp.**

Cartallum ebulinum, natural history, XAMBEU, pp. 45–58, Soc. Pyrenees-or. xlv.

Ceroplesis millingeni, Arabia, PIC, Mat. Long. 4 [not seen by Recorder] ? **n. sp.**

Closteromerus regalis, Transvaal, DISTANT, pl. xi, fig. 7, p. 121, Ins. Transvaal. i, **n. sp.**

Clytus rhamni var. n. *longicollis*, REITTER, p. 82, Wien. ent. Zeit. xxiii.

C. fulvohirsutus, *ruddensis*, Siberia, PIC, p. 18, Echange 1904; *C. gulekanus*, Taurus, PIC, p. 65, t. c. : **n. spp.**

Cochliopselaphus catherina var. n. *maricovensis*, DISTANT, p. 141, Ins. Transvaal. i.

Coptoeme **n. g.** near *Temnopis*, p. 313, *C. oculata*, *triguttata* **n. spp.**, Africa, p. 314, AURIVILLIUS, Arkiv Zool. i.

Coptops nivisparsa, Tonkin, FAIRMAIRE, p. 145, Mission Pavie iii, **n. sp.**

Cordylomera elegans, Transvaal, DISTANT, pl. x, fig. 6, p. 115, Ins. Transvaal. i, **n. sp.**

Crossotus bimaculatus, E. Africa, AURIVILLIUS, p. 323, Arkiv Zool. i; *C. penicillatus*, Transvaal, GAHAN, p. 146, pl. xiv, fig. 10, Distant, Ins. Transvaal. i; *C. hovanus*, Madagascar, FAIRMAIRE, p. 257, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Ctenoscelis, atra, larva, HELLER, p. 388, Stettin Ent. Zeit. lxv.

Cymatura spumans=(*mashuna* Pér.), PÉRINGUEY, p. 297, Ann. S. African Mus. iii.

Cyrtocris **n. g.** *Theocrides*, p. 321, *C. fulvicornis* **n. sp.**, E. Africa, p. 322, AURIVILLIUS, Arkiv Zool. i.

Dere nigrita, Transvaal, GAHAN, pl. xi, fig. 22, p. 124, Distant, Ins. Transvaal. i, **n. sp.**

Derolus brunneipennis, Transvaal, GAHAN, pl. x, fig. 5, p. 113, t. c. **n. sp.**

Desmiphora grisea, Bolivia, AURIVILLIUS, p. 208, Ent. Tidskr. xxv, **n. sp.**

Diadelia atomosparsa, Madagascar, FAIRMAIRE, p. 260, Ann. Soc. ent. Belgique xlviii, **n. sp.**

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E. subdepressum, Lower California, SCHAEFFER, p. 222, t. c. **n. sp.**

Enaretta exigua, Transvaal, GAHAN, p. 152, pl. xv, fig. 7, Distant, Ins. Transvaal. i, **n. sp.**

Erlandia **n. g.** near *Dynamostes*, p. 205, *E. inopinata* **n. sp.**, Bolivia, p. 206, AURIVILLIUS, Ent. Tidskr. xxv.

Eugoides **n. g.** near *Eugoa*, p. 314, *E. cœruleipennis* **n. sp.**, E. Africa, p. 315, AURIVILLIUS, Arkiv Zool. i.

Eunidia plagiata, pl. xiv, fig. 24, p. 149, *aspersa*, fig. 25, *spilota*, fig. 21, *modesta*, fig. 22, p. 150, *euzonata*, fig. 19, *fasciata*, fig. 20, p. 151, Transvaal, GAHAN, Distant Ins. Transvaal. i, **n spp.**

Exocentrus lateralis, pl. xv, fig. 11, p. 155, *echinulus*, fig. 12, *exiguus*, fig. 14, *inermis*, fig. 13, p. 156, Transvaal, GAHAN, t. c. **n. spp.**

Frea reticulata, S. Africa, DISTANT, p. 144, pl. xiv, fig. 4, Ins. Transvaal. i, **n. sp.**

Glenea pygidialis, E. Africa, *sangirica*, Sanghir, p. 324, *palavensis*, p. 325, *bivittata*, Palawan, *didyma*, Java, p. 326, *glaucescens*, Celebes, *ruficauda*, Sumbava, *bisbivittata*, Java, p. 327, *nigriceps*, Malacca, p. 328, AURIVILLIUS, Arkiv Zool. i, **n. spp.**

Hecyrida plagicollis, Transvaal, GAHAN, p. 147, pl. xv, fig. 5, Distant, Ins. Transvaal. i, **n. sp.**

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Idactus fasciculosus, E. Africa, AURIVILLIUS, p. 318, Arkiv Zool. i, **n. sp.**

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Lygrus testaceus, Transvaal, GAHAN, p. 109, pl. x, fig. 9, Distant, Ins. Transvaal. i, **n. sp.**

Lyramela **n. g.** near *Lygrus*, p. 109, *L. sulcipennis* **n. sp.**, Transvaal, pl. x, fig. 22, p. 110, GAHAN, t. c.

Mallodon spinibarbis, larva, HELLER, p. 391, Stettin Ent. Zeit. lxv.

Mallosia; revision with varr. n. and subg. n. (cf. *Semnosia*), K. DANIEL, pp. 301–314, Munchen. Kol. Zeitschr. ii.

Marocaulus granicollis, Madagascar, FAIRMAIRE, p. 254, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Mimocoptops bipenicillatus, Madagascar, FAIRMAIRE, p. 256, t. c. **n. sp.**

Myrsinus **n. g.** *Aphanasiides*, *M. modestus* **n. sp.**, Transvaal, pl. x, fig. 21, p. 116, GAHAN, Distant, Ins. Transvaal. i.

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Neopolyarthron is subg. of *Prionus*; *P. angustatus* Jak. = (*ahngeri* Brancs.), SEMENOW, p. 39, Rev. Russe Ent. iv.

Nicarete albolineatus, p. 257, *vitticollis*, *submaculosus*, p. 258, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Niphoparmena **n. g.** near *Mycerinodes*, p. 317, *N. bispinosa* **n. sp.**, E. Africa, p. 318, AURIVILLIUS, Arkiv Zool. i.

Oberea rosinæ, Amurland, PIC, p. 17, Echange 1904: *O. ulmicola*, Illinois, CHITTENDEN, p. 4, habits and metamorphosis, WEBSTER, pp. 5–13, pls. i, ii, Bull. Illinois Lab. vii: **n. spp.**

Obrium obscuripenne, Amurland, PIC, p. 17, Echange 1904: *O. brunneum*, Lower California, SCHAEFFER, p. 223, J. N. York Ent. Soc. xii: **n. spp.**

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Œmodana **n. g.** *Œ. quadrinotata* **n. sp.**, Lydenburg, GAHAN, p. 107, pl. xiii, fig. 5, t. c.

Olenecamptus nubilis, Brit. E. Africa, JORDAN, p. 365, Nov. Zool. xi; *O. olenus*, Transvaal, GAHAN, p. 143, pl. xiv, fig. 1, Distant, Ins. Transvaal. i: **n. spp.**

Omphalacra merged in *Nicarete*, FAIRMAIRE, p. 258, Ann. Soc. ent. Belgique xlviii.

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Oncoderes dejeani, larva, HELLER, p. 395, Stettin Ent. Zeit. lxv.

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Pentanodes **n. g.** near *Tetranodes*, *P. dietzii* **n. sp.**, Texas, SCHAEFFER, p. 222, J. N. York Ent. Soc. xii.

Peritragus **n. g.** near *Tragiscoschema*, p. 320, *P. nigroapicalis* **n. sp.**, E. Africa, p. 321, AURIVILLIUS, Arkiv Zool. i.

Phantasis mystica, Transvaal, DISTANT, p. 127, pl. xi, fig. 13, Ins. Transvaal. i, **n. sp.**

Philematium hottentotum=(*capense* Pér.), PÉRINGUEY, p. 297, Ann. S. African Mus. iii.

Phytoecia infernalis, Amurland, PIC, p. 17, Echange 1904, **n. sp.**

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Praonetha fuscopunctata, p. 260, *bispina*, p. 261, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Prosopocera ertli, E. Africa, AURIVILLIUS, p. 319, Arkiv Zool. i, **n. sp.**

Protocallidium subg. n. for *Callidium angustum*, OSIKI, p. 99, Rov. Lapok xi.

Psathyrus suturalis, Transvaal, GAHAN, p. 107, pl. xiii, fig. 1, Distant, Ins. Transvaal. i, **n. sp.**

Purpuricenus miniatus, Tonkin, FAIRMAIRE, p. 145, Mission Pavie iii, **n. sp.**

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S. imitans, Montreal and Massachusetts; FELT & JOUTEL, p. 58, pl. iii, fig. 4, t. c. **n. sp.**

Semnosia **subg. n.** of *Mallosia* for *M. scovitzi*, K. DANIEL, p. 301, Munchen. Kol. Zeitschr. ii.

Somatidia testudo, New Zealand, BROUN, p. 127, Ann. Nat. Hist. xiv, **n. sp.**

Sophronica fulvicollis, Transvaal, GAHAN, p. 154, pl. xv, fig. 15, Distant, Ins. Transvaal. i, **n. sp.**

Sphenalia **subg. n.**, cf. *Leptura*.

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Sternotomis carbonaria, Africa, AURIVILLIUS, p. 320, Arkiv Zool. i: *S. euchroma*, Madagascar, FAIRMAIRE, p. 255, Ann. Soc. ent. Belgique xlviii: **n. spp.**

Tapinolachnus aurivillianus, Transvaal, DISTANT, pl. ix, fig. 15, p. 112, Ins. Transvaal. i, **n. sp.**

Timoreticus imbellis, Transvaal, GAHAN, pl. xii, fig. i, p. 132, t. c. **n. sp.**

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Zamium incultum=(*rusticum* Pér.), PÉRINGUEY, p. 297, Ann. S. African Mus. iii.

Z. lævicolle, Brit. E. Africa, JORDAN, p. 364, Nov. Zool. xi, **n. sp.**

BRUCHIDÆ.

[Cf. DANIEL & DANIEL (349), PIC (1069), SCHAEFFER (1220).]

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B. soarezicus, Madagascar, PIC, p. 35, Echange 1904; *B. arizonensis*, p. 229, *gibbithorax*, p. 230, Arizona, *texanus*, Brownsville, p. 231, SCHAEFFER, J. N. York Ent. Soc. xii: **n. spp.**

Caryoborus pallidus, food, BARGAGLI, p. 3, Bull. Soc. ent. Ital. xxxvi.

Laria stylophora, Constantinople, K. DANIEL, p. 87, Munchen. Kol.

Zeitschr. ii; *L. mellyi*, Egypt, *monstrosicornis*, Anatolia, PIC, p. 40, Echange 1904; *L. tonkinea*, Tonkin, PIC, p. 42, Echange xx: **n. spp.**

Spermophagus eustrophoides, Florida, SCHAEFFER, p. 228, J. N. York Ent. Soc. xii, **n. sp.**

CHRYSOMELIDÆ [except *Hispides* and *Cassidides*].

[Cf. ABEILLE (5), DANIEL (343, 349), FAIRMAIRE (473), JACOBY (742–749), JACOBY & CLAVAREAU (750), LEA (863, 864), PIC (1064, 1072, 1077), REITTER (1147), SCHAEFFER (1220), SEMENOW (1281), WEISE (1502, 1503, 1505).]

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Achænops oneili, Cape Colony, JACOBY, p. 249, op. cit. i, **n. sp.**

Ænidea hauseri=(*Platyxantha clavareaui* Jac.), WEISE, p. 167, Arch. Naturg. lxx, i.

Æ. nasuta, p. 401, *latifrons*, p. 402, *nilgiriensis*, p. 403, India, JACOBY, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Agasicles **n. g.** *Halticinæ*, p. 400, *A. vittata* **n. sp.**, Peru, p. 401, JACOBY, P. Z. S. 1904, ii.

Agetocera flava, Khasia hills, JACOBY, p. 394, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Algoala **n. g.** near *Melasoma*, *A. fulvicollis* **n. sp.**, S. Africa, JACOBY, p. 268, P. Z. S. 1904, i.

Antipha bifasciata, p. 399, *orientalis*, p. 400, India, JACOBY, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Aphthona nigroscutellata, Galicia, REITTER, p. 82, Wien. ent. Zeit. xxiii; *A. bicolorata*, New Guinea, JACOBY, p. 487, Ann. Mus. Genova xli: **n. sp.**

Apolepis indica, Nilgiri hills, JACOBY, p. 385, Ann. Soc. ent. Belgique xlviii, **n. sp.**

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Argopistes limbatipennis, New Guinea, JACOBY, p. 491, Ann. Mus. Genova xli, **n. sp.**

Atropidius robustus, India, JACOBY, p. 383, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Aulacophora loriana, p. 494, *pallidifasciata*, *rigoensis*, p. 495, New Guinea, JACOBY, Ann. Mus. Genova xli, **n. spp.**

Blepharida flavocostata, p. 406, *multimaculata*, p. 407, Mexico, JACOBY, P. Z. S. 1904, ii, **n. spp.**

Brachycaulus posticalis, p. 446, *mamillatus*, *aterrimus*, p. 447, Australia, LEA, Tr. ent. Soc. London 1904, **n. spp.**

Bradamina **n. g.** *Monoleptides*, *B. plicicollis* **n. sp.**, Madagascar, FAIRMAIRE, p. 268, Ann. Soc. ent. Belgique xlviii.

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Buphonella murina Gerst. (as *Apophylia*)=(*elongata* Jac.), WEISE, p. 166, t. c.

Cadmus T-*niger*, p. 449, *calomeloides*, p. 450, *quadrifasciatus*, p. 451, *fasciaticollis*, p. 452, *apicirufus*, p. 453, *perlatus*, *nothus*, p. 454, Australia or Tasmania, LEA, Tr. ent. Soc. London 1904, **n. spp.**

Calomela dilaticornis, New Guinea, JACOBY, p. 480, Ann. Mus. Genova xli, **n. sp.**

Candezea loriæ, p. 508, *sulcatipennis*, p. 509, New Guinea, JACOBY, t. c. **n. spp.**

Casmenella **n. g.** *Heteraspinæ*, *C. natalense* **n. sp.**, Natal, JACOBY, p. 266, P. Z. S. 1904, i.

Cerophysa andrewesi, p. 396, *mandarensis*, p. 397, India, JACOBY, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Chætocnema belli, India, JACOBY, p. 392, t. c.; *C. loriæ*, p. 489, *transversicollis*, p. 490, New Guinea, JACOBY, Ann. Mus. Genova xli : **n. spp.**

Chalcolampra rufinoda, Tasmania, LEA, p. 106, P. Linn. Soc. N. S. Wales xxix, **n. sp.**

Cheiridella **n. g.** *Eumolpidæ*, p. 265, *C. zambesiana* **n. sp.**, Natal, p. 266, JACOBY, P. Z. S. 1904, i.

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Cleorina semipurpurea, p. 473, *viridissima*, p. 474, New Guinea, JACOBY, Ann. Mus. Genova xli, **n. spp.**

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Colasposoma cyaneocupreum = (*junodi* Pér.), JACOBY, p. 262, t. c.

C. sheppardi, p. 258, *pusillum*, p. 259, *piceitarse*, p. 260, *balyi*, *beiraense*, pl. xvii, fig. 10, p. 261, *mirabile*, p. 262, Africa, JACOBY, t. c. **n. spp.**

Coptocephala rubicunda var. n. *fuentei*, FIGUEROA, p. 374, Bol. Soc. espan. iv.

Corynodes plagiatus, Nyassa, WEISE, p. 162, Arch. Naturg. lxx, i, **n. sp.**

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Crioceris fasciata, E. Africa, WEISE, p. 158, Arch. Naturg. lxx, i, **n. sp.**

C. discoidalis, *dilutipes*, *fusco-picta*, p. 262, *semirufa*, p. 263, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii; *C. fasciatipennis*, *malabarica*, India, JACOBY, p. 381, t. c. : **n. spp.**

Cryptocephalus vittula var. n. *lugubris*, DEMAISON, p. 286, Bull. Soc. ent. France 1904; *C. raddei rosinæ* subsp. n., PIC, p. 27, Echange 1904; *C. smaragdulus F.* = (*aggregatus* Jac.), *C. oblongosignatus* var. = (*severini* Jac.), WEISE, p. 16, Deutsche ent. Zeitschr. 1904; *C. polyhistor* = (*mandibularis* Suffr. and *Achænops mandibularis* Jac.), JACOBY, p. 247, P. Z. S. 1904, i.

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anthrax, *læsicollis*, p. 266, *diversipes*, *cyaneocostatus*, *nedator*, p. 267, *eucharis*, p. 268, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique xlviii: *C. subcostatus*, India, JACOBY, p. 382, Ann. Soc. ent. Belgique xlviii; *C. confinis*, *mediocris*, p. 392, *appendiculatus*, p. 393, *vicarius*, p. 394, *blandus*, p. 395, *quadratipennis*, p. 396, *compositus*, p. 397, *aurifer*, *purpureotinctus*, p. 398, *clarus*, p. 399, *melanopus*, p. 400, *variipennis*, p. 401, *clypealis*, p. 402, *rubicundus*, *rutilans*, p. 403, *larinus*, p. 404, *cariniventris*, p. 405, *stenocerus*, p. 406, *sobrinus*, p. 407, *pallens*, p. 408, *liliputanus* (Tasmania), p. 409, *tenebricosus*, *distortus*, p. 410, *rufoterminalis*, p. 412, *conspiciendus*, p. 413, *metallicus*, *basizonus*, p. 414, *comptus*, p. 415, *minusculus*, p. 416, T-*viridis*, p. 417, *serenus*, p. 418, *scabiosus*, p. 419, *incoctus*, p. 420, *comosus*, *convexicollis*, p. 421, *ornatipennis*, p. 422, *cœlestis*, p. 423, *costipennis*, p. 424, Australia, LEA, Tr. ent. Soc. London 1904; *C. arizonensis*, Pinal Mts., p. 225, *brunneovittatus*, p. 226, Texas, SCHAEFFER, J. N. York Ent. Soc. xii : **n. spp.**

Cynorta nigrobasalis, India, JACOBY, p. 400, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Damia tibialis, E. Africa, WEISE, p. 158, Arch. Naturg. lxx, i; *D. strigatipes*, p. 239, *trifasciata*, pl. xvii, fig. 9, p. 240, Africa, JACOBY, P. Z. S. 1904, i : **n. spp.**

Demotina andrewesi, p. 383, *fulvohirsuta*, p. 384, India, JACOBY, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Desmogramma nigripes, S. America, JACOBY, p. 517, Arkiv Zool. i, **n. sp.**

Diabrotica nordenskioldi, Argentina, JACOBY, p. 521, t. c. **n. sp.**

Diacantha kolbei = (*conradti* Jac.), WEISE, p. 167, Arch. Naturg. lxx, i; *D. bimaculata* to *Agelastica*, WEISE, p. 166, t. c.

Diandichus foveiventris, W. Australia, LEA, p. 425, Tr. ent. Soc. London 1904, **n. sp.**

Dioryctus lætus, China, WEISE, p. 161, Arch. Naturg. lxx, p. 161, **n. sp.**

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Epitrix æneicollis, Argentina, JACOBY, p. 519, Arkiv Zool. i, **n. sp.**

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Eumœa interrupta, New Guinea, JACOBY, p. 510, Ann. Mus. Genova xli, **n. sp.**

Euphitrea indica, Nilgiri hills, JACOBY, p. 391, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Eurydemus marginatus Jac. 1903, cf. id. 1900, WEISE, p. 167, Arch. Naturg. lxx, i.

Eurydemus nigriceps, p. 249, *quadrimaculatus*, *geniculatus*, pl. xvii, fig. 12, p. 250, Africa, JACOBY, P. Z. S. 1904, i, **n. spp.**

Euryope barkeri, Natal, JACOBY, p. 258, t. c. **n. sp.**

Exosoma flavomarginatum Jac. = (*Hallirhotius marginatus* Jac.), WEISE, p. 167, Arch. Naturg. lxx, i.

Fidia clematis, Texas, SCHAEFFER, p. 227, J. N. York Ent. Soc. xii, **n. sp.**

Galeruca dorsata Say, DURY, p. 53, Ent. News Philad. xv.

G. sexcostata, Kashmir, JACOBY, p. 405, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Galerucella luteola, metamorphosis, REVON, p. 261, Naturaliste 1904.

G. interrupta, Mendoza, JACOBY, p. 523, Arkiv Zool. i, **n. sp.**

Gronovius **n. g.** *G. imperialis*, p. 499, *andaiensis*, p. 500, **n. spp.**, New Guinea, JACOBY, Ann. Mus. Genova xli.

Gynandrophthalma ochropus Har. = (*Ætheomorpha cœrulea* Jac.), WEISE, p. 159, Arch. Naturg. lxx, i.

G. salisburiensis, p. 240, *varicolor*, p. 241, *hirtifrons*, p. 242, S. Africa, JACOBY, P. Z. S. 1904, i, **n. spp.**
Haltica bicolora, New Guinea, JACOBY, p. 482, Ann. Mus. Genova xli; *H. boliviana*, S. America, JACOBY, p. 517, Arkiv Zool. i : **n. spp.**
Haplosoma nilgiriensis, India, JACOBY, p. 396, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Haptoscelis melanocephala var. n. *baltica*, GERHARDT, p. 368, Deutsche ent. Zeitschr. 1904.
Hermesia varicolor, Argentina, JACOBY, p. 514, Arkiv Zool. i, **n. sp.**
Hippuriphila catharinæ, Brazil, JACOBY, p. 412, P. Z. S. 1904, ii, **n. sp.**
Horatopyga reinecki, Natal, WEISE, p. 163, Arch. Naturg. lxx, i, **n. sp.**
Hyperaxis variegata, India, JACOBY, p. 385, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Isnus suturalis, Natal, JACOBY, p. 248, P. Z. S. 1904, i, **n. sp.**
Itylus **n. g.** for *Yulenia bicolor*, JACOBY, p. 497, Ann. Mus. Genova xli.
Jacobya viridis, Niger, WEISE, p. 167, Arch. Naturg. lxx, i, **n. sp.**
Khasia andrewesi, India, JACOBY, p. 398, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Labidostomis (*Chlorostola*) *nevadensis*, Spain, J. DANIEL, p. 91, Munchen. Kol. Zeitschr. ii; *L. testaceipes*, p. 93, *delagrangei*, p. 94, Syria, PIC, Echange xx : **n. spp.**
Lactica nicotinæ, Mexico, p. 396, *decorata*, p. 397, *maculicollis*, *posticata*, p. 398, *discicollis*, *rufobrunnea*, *baeri*, p. 399, *argentinensis*, Tucuman, p. 400, JACOBY, P. Z. S. 1904, ii, **n. spp.**
Lefevrea fulvicollis, Natal, JACOBY, p. 263, P. Z. S. 1904, i, **n. sp.**
Lema weisei, p. 230, *malvernensis*, *gerstaeckeri*, p. 231, *graminis*, *nigrofrontalis*, p. 232, *æthiopica*, p. 233, pl. xvii, fig. 1, *humeronotata*, fig. 2, p. 234, *hirtipennis*, p. 235, Africa, JACOBY, t. c.; *L. crispatifrons*, Madagascar, FAIRMAIRE p. 262, Ann. Soc. ent. Belgique xlviii; *L. paradoxa*, Pondicherry, JACOBY, p. 380, Ann. Soc. ent. Belgique xlviii: **n. spp.**
Liniscus interstitialis, Beira, JACOBY, p. 254, P. Z. S. 1904, i, **n. sp.**
Lochmæa tropica redescribed, JACOBY, p. 522, Arkiv Zool. i.
Longitarsus kanaraensis, p. 389, *fulvobrunneus*, p. 390, India, JACOBY, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Loxopleurus lateriflavus, p. 430, *pallidipes*, *lugubris*, p. 431, *mixtus*, p. 433, *acentetus*, p. 434, *castor*, *pollux*, p. 435, *mitificus*, *dolens*, p. 436, *microscopicus*, p. 437, *marginipennis*, p. 438, *castigatus*, p. 439, *inconstans*, p. 440, *virgatus*, *fuscitarsis*, p. 441, *contiguus*, p. 442, *absonus*, p. 443, *immaturus*, 444, *disconiger*, p. 445, Australia or Tasmania, LEA, Tr. ent. Soc. London 1904, **n. spp.**
Luperodes obesa, India, JACOBY, p. 398, Ann. Soc. ent. Belgique xlviii; *L. lateralis*, Solomon Islands, JACOBY, p. 296, Entomologist 1904 : **n. spp.**
Luperus loriæ, *papuanus*, New Guinea, JACOBY, p. 505, Ann. Mus. Genova xli, **n. spp.**
Macetes rugicollis, *pusilla*, Natal, JACOBY, p. 257, P. Z. S. 1904, i, **n. spp.**
Macrolopha; constituents, JACOBY, p. 235, t. c.
Malacodora **n. n.** for *Malacosoma* Chevr., BEDEL, p. 236, Abeille xxx.
Malegia caffer, Caffraria, PIC, p. 20, Echange 1904; *M. pallidipes*, Madagascar, p. 35, *donckieri*, Arabia, p. 36, PIC, t. c. : **n. spp.**
Mastostethus nigrovarians, *funereus*, p. 63, *femoratus*, *erichsoni*, p. 64, *lacordairei*, *argentinensis*, p. 65, *nigricollis*, *balyi*, p. 66, *bolivianus*, *quadriplagiatus*, p. 67, S. America, JACOBY, Entomologist 1904, **n. spp.**
Megalognatha usambarica, *simplex*, p. 168, *apicalis*, p. 169, Africa, WIESE, Arch. Naturg. lxx, i, **n. spp.**
Melasoma salicivorax varr. n. *completa*, *deflorata*, JACOBSON, p. xv, Annuaire

Mus. St. Petersb. viii ; *M. spinata*, *discoidalis*, *unicolor*, validity queried, WEISE, p. 164, Arch. Naturg. lxx, i.

Menius brevicornis, pl. xvii, fig. 11, Beira, JACOBY, p. 251, P. Z. S. 1904, i, **n. sp.**

Mimastra suturalis, *scutellata*, India, JACOBY, p. 395, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Miopristis braunsi, p. 235, *oneili*, pl. xvii, fig. 8, *zambesiana*, p. 236, *brevitarsis*, p. 237, Africa, JACOBY, P. Z. S. 1904, i, **n. spp.**

Monolepta nilgiriensis, p. 403, *duvivieri*, *nigrimana*, p. 404, *bimaculicollis*, p. 405, India, JACOBY, Ann. Soc. ent. Belgique xlviii ; *M. bicoloripes*, p. 506, *hieroglyphica*, p. 507, *boisduvali*, New Guinea, p. 508, JACOBY, Ann. Mus. Genova xli : **n. spp.**

Morokasia **n. g.** *M. nigromaculata* **n. sp.**, New Guinea, JACOBY, p. 498, Ann. Mus. Genova xli.

Mouhotina salomonensis, Solomon Islands, JACOBY, p 295, Entomologist 1904, **n. sp.**

Myochrous magnus, Texas, SCHAEFFER, p. 228, J. N. York Ent. Soc. xii, **n. sp.**

Nerissella **n. g.** *Pseudocolaspinæ*, *N. curculionoides* **n. sp.**, Zambesi, JACOBY, p. 267, P. Z. S. 1904, i.

Nodonota argentinensis, Quinta, JACOBY, p. 515, Arkiv Zool. i, **n. sp.**

Nodostoma camerunense, Africa, JACOBY, p. 253, P. Z. S. 1904, i ; *N. fulvicorne*, India, JACOBY, p. 387, Ann. Soc. ent. Belgique xlviii : *N. minutum*, New Guinea, JACOBY, p. 473, Ann. Mus. Genova xli : **n. spp.**

Nyctiphantus bergi, Lake Balkash, SEMENOW, p. 194, Horæ Soc. ent. Ross. xxxvii, **n. sp.**

Oides straminea, Cameroons, WEISE, p. 166, Arch. Naturg. lxx, i ; *O. kanaraensis*, India, JACOBY, p. 393, Ann. Soc. ent. Belgique xlviii ; *O. apicipennis*, p. 492, *loriæ*, p. 493, New Guinea, JACOBY, Ann. Mus. Genova xli : **n. spp.**

Oxygona amazonica, Amazons, *capitata*, Peru, JACOBY, p. 411, P. Z. S. 1904, ii, **n. spp.**

Pachybrachis rugifer, France, ABEILLE, p. 281, Bull. Soc. ent. France 1904, **n. sp.**

Panilurus **n. g.** near *Arsipoda*, p. 392, *P. nilgiriensis* **n. sp.**, India, p. 393, JACOBY, Ann. Soc. ent. Belgique xlviii.

Paumomua **n. g.** *Atysites*, *P. sulcicollis* **n. sp.**, New Guinea, p. 513, JACOBY, Ann. Mus. Genova xli.

Pausiris oneili, *longicollis*, *femoralis*, p. 255, *semirugosus*, p. 256, S. Africa, JACOBY, P. Z. S. 1904, i, **n. spp.**

Phaulosis **n. g.** near *Timarcha*, p. 162, *P. æneipennis* **n. sp.**, Cape Good Hope, p. 163, WEISE, Arch. Naturg. lxxi.

Phygasia nigripennis, India, JACOBY, p. 391, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Phyllobroticella straminea = (*simplicipennis* Jac.), WEISE, p. 167, Arch. Naturg. lxx, i.

Phyllotreta ruficeps, *costulata*, Africa, WEISE, p. 170, t. c. **n. spp.**

Plagiodera subparallela, Cameroons, WEISE, p. 164, t. c. **n. sp.**

Platymela fulvoplagiata, New Guinea, JACOBY, p. 479, Ann. Mus. Genova xli, **n. sp.**

Prasona peruviana, Marcapata, JACOBY, p. 407, P. Z. S. 1904, ii, **n. sp.**

Prosmidia amœna, Rhodesia, *magna*, E. Africa, WEISE, p. 165, Arch. Naturg. lxx, i, **n. spp.**

Pseudivongius apicicornis, Natal, JACOBY, p. 253, P. Z. S. 1904, i, **n. sp.**

Pseudocolaspis substriata, Mesopotamia, WEISE, p. 100, Deutsche ent. Zeitschr. 1904, **n. sp.**

Pseudogona argentinensis, Argentina, JACOBY, p. 520, Arkiv Zool. i ; *P.*

discoidalis, Argentina, p. 409, *militaris*, Panama, *pallida*, Costa Rica, p. 410, JACOBY, P. Z. S. 1904, ii : **n. spp.**

Pseudosastra **n. g.** for *Sastra sulcicollis* Jac., JACOBY, p. 504, Ann. Mus. Genova xli.

Psylliodes loriæ, New Guinea, JACOBY, p. 488, t. c. **n. sp.**

Rhembastus insignitus to *Syagrus*, JACOBY, p. 253, P. Z. S. 1904, i.

Rhyparida obscuripennis, p. 469, *papuana*, p. 470, *humeronotata*, p. 471, *rivularis*, p. 472, New Guinea, JACOBY, Ann. Mus. Genova xli, **n. spp.**

Sagra humeralis, Tonkin, JACOBY, p. 294, Entomologist 1905, **n. sp.**

Sastra quadripustulata, p. 501, *rugicollis*, p. 502, Trobriand Islands, *olivacea*, Fergusson Island, *abdominalis*, N. Guinea, p. 503, JACOBY, Ann. Mus. Genova xli, **n. spp.**

Scelodonta rugipennis, p. 264, *lefevrei*, p. 266, S. Africa, JACOBY, P. Z. S. 1904, i, **n. spp.**

Schizosternus delicatulus, p. 426, *trilineatus*, *marmoratus*, p. 427, Australia, LEA, Tr. ent. Soc. London 1904, **n. spp.**

Sclerophædon orbicularis Suffr., larva, WEISE, pp. 47, 48, Deutsche ent. Zeitschr. 1904.

Sebaethe pallidicincta, India, JACOBY, p. 391, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Solenia femorata, *papuana*, p. 511, *intermedia*, p. 512, New Guinea, JACOBY, Ann. Mus. Genova xli, **n. spp.**

Sophraenella **n. g.** p. 405, *S. fulva* **n. sp.**, Amazons, p. 406, JACOBY, P. Z. S. 1904, ii.

Sphæroderma subimpressa, New Guinea, JACOBY, p. 491, Ann. Mus. Genova xli, **n. sp.**

Stethotes loriæ, p. 475, *integra*, *minuta*, p. 476, New Guinea, JACOBY, t. c. **n. spp.**

Stigmomela **n. n.** for *Stictomela* Weise, CSIKI, p. 85, Wien. ent. Zeit. xxiii.

Sutrea triplagiata, p. 484, *semirugosa*, p. 485, *marginipennis*, p. 486, *lævipennis*, p. 487, New Guinea, JACOBY, Ann. Mus. Genova xli, **n. spp.**

Syagrus fulvimanus, p. 251, *tristis*, p. 252, Africa, JACOBY, P. Z. S. 1904, i, **n. spp.**

Sybriacus picipes, Madagascar, FAIRMAIRE, p. 263, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Systena melanocephala, Peru, *argentinensis*, Tucuman, p. 408, *antennata*, Amazons, p. 409, JACOBY, P. Z. S. 1904, ii, **n. spp.**

Terpnochlorus **n. g.** near *Antsianaka*, *T. perrieri* **n. sp.**, Madagascar, FAIRMAIRE, p. 269, Ann. Soc. ent. Belgique xlviii.

Therpis smaragdina=(*Mesotoma viridipennis* Jac.), WEISE, p. 167, Arch. Naturg. lxx, i.

Timarchella **n. g.** p. 268, near *Timarcha*, *T. braunsi* **n. sp.**, Cape Colony, p. 269, JACOBY, P. Z. S. 1904, i, **n. sp.**

Titubœa ciliciensis, Taurus, PIC, p. 57, Echange xx ; *T. umtaliensis*, p. 238, *parvula*, p. 239, Africa, JACOBY, P. Z. S. 1904, i, **n. spp.**

Trichotheca duvivieri, India, JACOBY, p. 386, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Tricliona sulcipennis, India, JACOBY, p. 388, t. c. **n. sp.**

Tricliophora **n. g.** *Typophorinæ*, p. 478, *T. nigra* **n. sp.**, New Guinea, p. 479, JACOBY, Ann. Mus. Genova xli.

Vitruvia unicolor Jac. (as *Encorane*)=(*Glabripennis* Jac.), WEISE, p. 167, Arch. Naturg. lxx, i.

Xenidea loriæ, *dimidiaticornis*, New Guinea, JACOBY, p. 483, Ann. Mus. Genova xli, **n. spp.**

Xenolina **n. g.** near *Lina*, *X. marginata* **n. sp.**, New Guinea, JACOBY, p. 481, t. c.

Yulenia divisa, New Guinea, JACOBY, p. 496, t. c. **n. sp.**

Hispidæ and Cassididæ.

[Cf. Fairmaire (473), Gestro (595, 596), Lesne (878), Muir & Sharp (969), Sharp (1285), Spaeth (1327), Weise (1503, 1504, 1507).]

List of synonyms, *Hispidæ*, Weise, p. 457, Deutsche ent. Zeitschr. 1904.
Muir & Sharp (969) describe larvæ, larval clothing, oothecas of S. African *Cassididæ*.

Acanthodes donckieri, p. 444, *limbata*, p. 445, *viridipennis*, p. 446, S. America, Weise, Deutsche ent. Zeitschr. 1904, **n. spp.**
Agathispa **n. g.** tpye *Hispa dimidiata* Ol., Weise, p. 64, Arch. Naturg. lxxi, i.
Agonia femoralis, p. 99, *nigripennis*, p. 100, Sumatra, Weise, t. c. **n. spp.**
Amplipalpa, table of species, Weise, pp. 50–52, t. c.
A. fulviceps, Bolivia, Weise, p. 49, t. c. **n. sp.**
Anoplitis vinculata, p. 70, *discrepans*, p. 71, *regularis*, p. 72, *tesseraria*, *marginella*, p. 73, *lepidula*, *signifera*, p. 74, S. America, Weise, t. c. **n. spp.**
Asphalesia tuta, Usambara, Weise, p. 172, t. c. **n. sp.**
Aspidomorpha assimilis var. n. *elegantula*, Spaeth, p. 75, Ann. Mus. Genova xli ; *A. rotunda*, characters and larva, Fairmaire, p. 270, Ann. Soc. ent. Belgique xlviii ; *A. puncticosta*, larva, pl. iii, fig. 20, p. 9, ootheca, pl. i, figg. 1–6, 9, p. 2, *A. testa*, larva, pl. iv, fig. 21, p. 10, ootheca, p. 6, *A. confinis*, larva, pl. iv, fig. 22, p. 11, ootheca, pl. ii, figg. 10, 11, p. 6, *A. tigrina*, larva, pl. iv, fig. 23, p. 11, ootheca, pl. ii, figg. 12, 13, p. 7, Muir & Sharp, Tr. ent. Soc. London 1904.
A. sarawacensis, Borneo, p. 73, *sumatrana*, p. 74, Spaeth, Ann. Mus. Genova xli, **n. spp.**
Baliosus **n. g.** near *Chalepus*, p. 64, *B. opifer*, p. 74, *hospes*, p. 75, **n. spp.**, S. America, Weise, Arch. Naturg. lxxi.
Balyana, validity and synonymy, Gestro, p. 459, Ann. Mus. Genova xli.
Basipta stolida, larva, pl. v, fig. 24, p. 12, ootheca, pl. ii, figg. 14–16, p. 7, Muir & Sharp, Tr. ent Soc. London 1904.
Brontispa **n. g.** near *Oxycephala*, *B. froggatti* **n. sp.**, New Britain, Sharp, p. 924, P. Linn. Soc. N. S. Wales xxviii.
Brontispa and *Oxycephala*, characters and taxonomy, Gestro, pp. 455–459, Ann. Mus. Genova xli.
Callispa unicolor, Rhodesia, Weise, p. 171, Arch. Naturg. lxx, i, **n. sp.**
Cassida unimacula, larva, pl. v, fig. 26, p. 14, Muir & Sharp, Tr. ent. Soc. London 1904.
C. corpulenta, Cameroons, Weise, p. 173, Arch. Naturg. lxx, i ; *C. muirana*, Natal, Sharp, p. 13, pl. v, fig. 25, ootheca, pl. ii, figg. 18, 19, Tr. ent. Soc. London 1904 ; *C. exsanguis*, p. 270, *ovoidea*, *plicatula*, *rufomicans*, p. 271, *latecincta*, *latericia*, p. 272, *lyrica*, *dorsomicans*, *nigroscutata*, p. 273, *breviuscula*, *fallaciosa*, *nigrotecta*, p. 274, *funebris*, *nigroguttata*, p. 275, Madagascar, Fairmaire, Ann. Soc. ent. Belgique xlviii ; *C. feæ*, Burma, Spaeth, p. 71, Ann. Mus. Genova xli : **n. spp.**
Cephalodonta soluta, *cincta*, Brazil, p. 58, *vitticollis*, p. 59, *melanospila*, *munda*, p. 60, *matronalis*, p. 61, *mitis*, p. 62, Brazil, Weise, Arch. Naturg. lxxi, i ; *C. calopteroides*, p. 439, *humerosa*, p. 441, *clara*, p. 442, *bruchi*, *donckieri*, p. 443, Brazil, Weise, Deutsche ent. Zeitschr. 1904 : **n. spp.**
Cephalotia rosenbergi, *nubila*, p. 55, *bifasciata*, p. 56, Ecuador, Weise, Arch. Naturg. lxxi, i ; *C. interstitialis*, *parenthesis*, p. 437, *fasciata*, p. 438, *tucumana*, p. 439, S. America, Weise, Deutsche ent. Zeitschr. 1904 : **n. spp.**
Chalepus cincticollis, p. 64, *forticornis*, p. 65, *consimilis*, *viduus*, p. 66,

sedulus, *pullus*, p. 67, *erichsoni*, *peruvianus*, *nigripes*, p. 68, S. America, *metallescens*, Mexico, p. 69, *faustus*, Brazil, p. 70, WEISE, Arch. Naturg. lxxi, i, **n. spp.**

Charidotis divisa, Peru, p. 176, *drakei*, Paraguay, *redimita*, Bolivia, WEISE, p. 177, t. c. **n. spp.**

Cœlænomenodera speciosa, p. 461, *signifera*, p. 462, Congo, GESTRO, Ann. Mus. Genova xli ; *C. sculptipennis*, Madagascar, FAIRMAIRE, p. 269, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Coptocycla evanescens Champ. to *Charidotella*, WEISE, p. 175, Arch. Naturg. lxx, i.

C. piceidorsis, *trizonata*, Madagascar, FAIRMAIRE, p. 276, Ann. Soc. ent. Belgique xlviii ; *C. championi*, Costa Rica, p. 174, *suturalis*, Brazil, p. 175, WEISE, Arch. Naturg. lxx, i : **n. spp.**

Ctenochira aberrata, Costa Rica, WEISE, p. 176, t. c. **n. sp.**

Cyanaspis **n. g.** near *Himatidium*, p. 433, *C. testaceicornis* **n. sp.**, Bolivia, p. 434, WEISE, Deutsche ent. Zeitschr. 1904.

Dactylispa lateralis, S. Africa, p. 450, *assamensis*, Assam, p. 452, WEISE, t. c. ; *D. chinensis*, p. 102, China, *donckieri*, Congo, *pusilla*, India, p. 103, WEISE, Arch. Naturg. lxxi, i : **n. spp.**

Decatelia **n. g.** p. 435, near *Charistena*, *D. lema* **n. sp.**, Bolivia, p. 436, WEISE, Deutsche ent. Zeitschr. 1904.

Demothispa tricolor, *germaini*, Bolivia, WEISE, p. 54, Arch. Naturg. lxxi, i, **n. spp.**

Dichirispa funebris, Fernando Po, GESTRO, p. 518, Ann. Mus. Genova xli, **n. sp.**

Gonophora hæmorrhoidalis var. n. *undulata*, WEISE, p. 98, Arch. Naturg. lxxi, i.

G. funebris, Borneo, WEISE, p. 99, t. c. **n. sp.**

Hispa testacea, larval habits, trophi, LESNE, pp. 68–70, Bull. Soc. ent. France 1904.

H. aurichalcea, E. Africa, WEISE, p. 171, Arch. Naturg. lxx, i ; *H. opaca*, S. Africa, WEISE, p. 448, Deutsche ent. Zeitschr. 1904 ; *H. linnei*, N. Guinea, *boutani*, Tonkin, p. 101, *gracilicornis*, Cameroons, p. 102, WEISE, Arch. Naturg. lxxi : **n. spp.**

Javeta gestroi, Borneo, WEISE, p. 97, t. c. **n. sp.**

Laccoptera excavata, larva, p. 15, *ootheca*, p. 8, MUIR & SHARP, Tr. ent. Soc. London 1904.

Leptispa latifrons, Ceylon, *nigra*, Pondichery, WEISE, p. 436, Deutsche ent. Zeitschr. 1904, **n. spp.**

Megapyga brevis, Mentawei, SPAETH, p. 69, Ann. Mus. Genova xli, **n. sp.**

Metriona ferrarii, Java, SPAETH, p. 77, t. c. **n. sp.**

Millinaspis **n. g.** for *Calliaspis cassidioides*, Boh., WEISE, p. 433, Deutsche ent. Zeitschr. 1904.

Octhispa 4-notata, p. 81, *proba*, p. 82, *peruana*, p. 83, S. America, WEISE, Arch. Naturg. lxxi, i, **n. spp.**

Odontionycha sublesta, Usambara, WEISE, p. 173, t. c. **n. sp.**

Oxycephala fasciata, *dilutipes*, New Guinea, WEISE, p. 95, t. c. **n. spp.**

Pistosia **n. g.** p. 93, *P. maculata* **n. sp.**, Celebes, p. 95, WEISE, t. c.

Platypria natalensis (Pér.), S. Africa, pp. 516, 517, *paucispinosa*, S. Thomé isld., p. 520, *feæ*, Principe isld., p. 522, GESTRO, Ann. Mus. Genova xli, **n. spp.**

Probænia **n. g.** *Uroplatinorum*, p. 447, for species of *Odontota* and *Uroplata*, WEISE, Deutsche ent. Zeitschr. 1904 ; *P. variolaris*, p. 76, *tessellata*, p. 77, *vittulosa*, p. 78, *nigritarsis*, *tibiella*, p. 79, *clara*, p. 80, S. America, WEISE, Arch. Naturg. lxxi, i : **n. spp.**

Promecotheca antiqua, New Pomerania, WEISE, p. 97, t. c. **n. sp.**

Prosopodonta balyi=(*costata* B.), WEISE, p. 58, t. c. **n. sp.**

Psilurnus donckieri, Brazil, WEISE, p. 57, t. c. **n. sp.**

Rhacocassis **n. g.** p. 76, for *Coptocycla flavoplagiata*, with var. n. *modiglianii*, p. 77, SPAETH, Ann. Mus. Genova xli.
Solenispa **n. g.** for *Cophalolia angusticollis* Wat. and *S. impressicollis* **n. sp.**, Bolivia, WEISE, p. 53, Arch. Naturg. lxxi, i.
Stenispa luridipennis, Brazil, WEISE, p. 52, t. c. **n. sp.**
Thoracispa, characters, *T. dregei*, figure, GESTRO, pp. 463–465, Ann. Mus. Genova xli.
T. brunni, S. Africa, WEISE, p. 449, Deutsche ent. Zeitschr. 1904, **n. sp.**
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L. apicalis, Texas, SCHAEFFER, p. 198, t. c. **n. sp.**
Pharaxonotha kirschi=(*Thalisella conradti* Gorh.), ARROW, p. 36, Ent. Mag. xl.
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ENDOMYCHIDÆ.

[Cf. PIC (1077), REITTER (1145, 1146, 1152), SEMENOW (1278).]

Aclemmysa **n. g.** near *Clemmys*, p. 41, *A. solarii* **n. sp.**, Valle Lucano, p. 42, REITTER, Wien. ent. Zeit. xxiii.
Alexia maritima, Alpes maritimes, REITTER, p. 45, t. c. **n. sp.**
Dapsa roddiana, W. Siberia, SEMENOW, p. 289, Rev. Russe. Ent. 1904, **n. sp.**
Lycoperdina (*Golgia*) *jakolevi*, W. Siberia, SEMENOW, p. 290, t. c. **n. sp.**
Mycetina inapicalis, Syria, PIC, p. 90, Echange xx, **n. sp.**
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COCCINELLIDÆ.

[Cf. SCHWARZ (1262), STEBBING (1336), WEISE (1506).]

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Pseudoweisea suturalis, California, SCHWARZ, p. 118, P. ent. Soc. Washington vi, **n. sp.**
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(B.) *HYMENOPTERA.*

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ACULEATA.

APIDÆ.

[Cf. ADLERZ (15), ALFKEN (23, 24), ASHMEAD (44, 47, 48, 49), BENTON (101), BRÈTHES (179), CAMERON (230, 232, 233, 234), CAUDELL (252), COCKERELL (280–286, 289, 291–293), CRAWFORD (326, 327), DITTRICH (394), DREYLING (403, 404), DUCKE (415), FRIESE (541–552), FRIESE & WAGNER (553), GRAENICHER (619), GRÜNBERG (642), HOLMBERG (697), HOOPER (703), HÖPPNER (705), JACOBS (738), KOPP (840), MORICE (957, 959), NURSE (985), PIERCE (1086), ROBERTSON (1181, 1182), SAUNDERS (1214, 1215), SAUSSURE (1218), SCHROTTKY (1245), SCHULZ (1253, 1255), SEMICHON (1282, 1283), SWENK (1357, 1358), TITUS (1389, 1390), VACHAL (1424–1427), VIERECK (1448, 1450, 1451, 1454).]

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Agapostemon azaræ, p. 465, *argentinus*, *coryliventris*, p. 466, *multicolor*, p. 467, *experiendus*, p. 468, Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii, **n. spp.**
Ammobates solitarius, Quetta, NURSE, p. 570, J. Bombay Soc. xv, **n. sp.**
Ancyloscelis ecuadorius, Guyaquil, p. 22, *duckei*, p. 23, *gigas*, p. 24, Para, FRIESE, Zeitschr. Hym. Dipt. iv; *A. baeri*, p. 16, *filitarsis*, p. 17, *turmalis*, *girardi*, p. 18, *humulis*, *analis*, p. 19, S. America, VACHAL, Rev. Ent. franc. xxiii : **n. spp.**

Andrena, remarks on 10 spp. from Greece described by Brullé, ALFKEN, pp. 289–295, Zeitschr. Hym. Dipt. iv ; *A. curvungula* and *pandellei*, ALFKEN, p. 320, Zeitschr. Hym. Dipt. iv ; *A. parviceps* ♂, FREY-GESSNER, p. 57, Soc. ent. xix ; *A. polemonii* to *Ptilandrena*, ROBERTSON, p. 278, Canad. Ent. xxvi.

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A. opacum, *cucullatum*, p. 102, *zebra*, *braunsi*, p. 103, *abdominale*, *nigritarse*, p. 104, *nigripes*, *fulleborni*, p. 105, Africa, FRIESE, Zeitschr. Hym. Dipt. iv ; *A. junodi*, Transvaal, FRIESE, p. 299, t. c. ; *A. aricensis*, Chile, 22-*punctatum*, p. 182, *buchwaldi*, p. 183, *dentiventris*, p. 184, Ecuador, FRIESE, t. c. ; *A. melanotrichum*, Chile, FRIESE, p. 303, t. c. ; *A. caroli-ameghinoi*, *Patagonia*, p. 351, with structure of nest, pp. 354–356, BRETHES, An. Mus. Buenos Aires (3) ii : **n. spp.**

Anthodioctes **n. g.** *Dasygastrina*, *A. megachiloides*, p. 435, *psænythioides*, p. 436, **n. spp.**, Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii.

Anthoglossa cygni, Swan River, COCKERELL, p. 203, Ann. Nat. Hist. xiv, **n. sp.**

Anthophora chilensis to *Ancyla*, ALFKEN, p. 141, and p. 180, Revist. Chilena viii.

A. stanfordiana, California, COCKERELL, p. 32, Ent. News Philad. xv ; *A. paranensis*, p. 398, *saltensis*, p. 399, La Plata, HOLMBERG, An. Mus. Buenos Aires (3) ii ; *A. hirpex*, S. America, VACHAL, p. 16, Rev. Ent. franc. xxiii : **n. spp.**

Apis, genus divided, cf. *Megapis*, *Micrapis*, species list, ASHMEAD, pp. 120–123, P. ent. Soc. Washington, vi ; *A. mellifera* L. 1758=(*mellifica* L. 1761), BENTON, P. ent. Soc. Washington vi ; *A. mellifica*, nesting at large, BOUVIER, p. 187, Bull. Soc. ent. France 1904 ; *A. dorsata*, *indica* etc., nesting-habits, wax, HOOPER, Agric. Ledger 1904, No. 7.

Apista Sm., characters, COCKERELL, p. 330, Canad. Ent. xxxvi.

Ashmeadiella schwarzi, p. 98, *coquilletti*, *rufipes*, p. 99, *curriei*, *gillettei*, p. 100, N. America, TITUS, P. ent. Soc. Washington vi, **n. spp.**

Augochlora pomona, p. 456, *egeria*, *terpsichore*, p. 458, *euphrosyne*, p. 459, *polyhymnia*, p. 460, *diana*, p. 461, *epipyrgitis*, p. 462, *aglaia*, p. 463, S. America, HOLMBERG, An. Mus. Buenos Aires (3) ii, **n. spp.**

Bombus of Moravia, SLAVIČEK (in Moravian), Vestnik. Klub. Prostejove iv, pp. 83–106 ; *B.*, habits of Arctic, FRIESE, Allg. Zeitschr. Ent. ix,

pp. 409-414; *B. terrestris*, early excavation by ♀, L. SCHUSTER, p. 98, Zool. Garten xlv; *B.*, varieties, varr. n., FRIESE & WAGNER, Zool. Jahrb. Suppl. vii, pp. 551–570, pls. xxix, xxx; *B. robustus* varr. n., *B. thoracicus* var. n. *fuliginosus*, FRIESE, p. 188, Zeitschr. Hym. Dipt. iv.

B. baeri, tucumanus, Tucuman, VACHAL, p. 10, Rev. Ent. franc. xi, **n. spp.**

Camptopœum rufiventre, ♀ = (*schewyrewi* Mer.), NURSE, p. 575, J. Bombay Soc. xv.

Caupolicana lugubris = (*mystica* Schr.), FRIESE, p. 100, Zeitschr. Hym. Dipt. iv; *C. pubescens* = (*herbsti* Fr.), ALFKEN, p. 141, Revist. chilena viii; *C. mystica* var. *baeriana*, VACHAL, p. 23, Rev. Ent. franc. xxiii.

C. herbsti, Chile, FRIESE, p. 180, Zeitschr. Hym. Dipt. iv; *C. rufipes, albiventris*, p. 17, *nigriventris*, p. 18, Chile, FRIESE, t. c.: **n. spp.**

Centris, nesting habits, SCHROTTKY, pp. 347, 348, Allg. Zeitschr. Ent.; *C. chilensis* = (*smithi* Friese), ALFKEN, p. 141, Revist. chilena viii.; *C. dorsata* = (*ehrhardti* Schr. = *pocograndensis* Schr.), *C. obsoleta* = (*furcata* var. *friesei* Schr.), FRIESE, p. 100, Zeitschr. Hym. Dipt. iv; *C. furcata* and allies, table, DUCKE, pp. 209–210, Zeitschr. Hym. Dipt. iv; *C. bicolorella* n. n. for *smithii* Friese nec Cress., COCKERELL, p. 235, Entomologist 1904; *C. metatarsalis* ♀, p. 90, *cœlebs* ♀, p. 92, FRIESE, Ann. Mus. Hungar. ii.

C. autrani, S. America, VACHAL, p. 16, Rev. Ent. franc. xxiii; *C.* (*Epicharis*) *minima*, p. 90, Brazil, *labiata*, Costa Rica, *mixta*, Chile, p. 91, FRIESE, Ann. Mus. Hungar. ii; *C. superba*, p. 212, *singularis*, p. 213, Obidos, DUCKE, Zeitschr. Hym. Dipt. iv; *C. mixta*, Chile, FRIESE, p. 187, Zeitschr. Hym. Dipt. iv: **n. spp.**

Ceratina ino, p. 575, *egeria, coriuna*, p. 576, Quetta, NURSE, J. Bombay Soc. xv; *C. philippinensis*, Manilla, ASHMEAD, p. 2, J. N. York Ent. Soc. xii: **n. spp.**

Chacoana **n. g.** *Xylocoparia*, p. 432, *C. melanoxantha*, **n. sp.**, Argentina, p. 433, HOLMBERG, An. Mus. Buenos Aires (3) ii.

Chalepogenus **n. g.** p. 416, *C. incertus* **n. sp.**, Argentina, p. 417, HOLMBERG, t. c.

Chalicodoma combusta ♂ = (*Megachile cœlocera*), COCKERELL, p. 205, Ann. Nat. Hist. xiv.

Chelostoma neomexicanum, New Mexico, COCKERELL, p. 13, Canad. Ent. xxxvi, **n. sp.**

Chilicola? orientalis, Tucuman, VACHAL, p. 24, Rev. Ent. franc. xxiii, **n. sp.**

Cladocerapis **n. g.** type *Lamprocolletes cladocerus* Sm., COCKERELL, p. 292, Ent. News Philad. xv.

Cœlioxys of Africa, characters, pp. 1–7, FRIESE, Arkiv Zool. ii, No. 6; *C. ribis* var. n. *kincaidi*, COCKERELL, p. 33, Ann. Nat. Hist. xiii.

C. erytropus, p. 7, *junodi*, p. 8, *difformis, caffra*, p. 9, *convergens, simplex*, p. 10, *cœruleipennis, luteipes, incarinata*, p. 11, *planidens, nasuta*, p. 12, *setosa, furcata*, p. 13, *glabra, auriceps*, p. 14, *africana, sexspinosa*, p. 15, Africa, FRIESE, Ark. Zool. ii, No. 6; *C. perseus*, India, NURSE, p. 577, J. Bombay Soc. xv; *C. cariniscutis, khasiana*, Khasia hills, CAMERON, p. 213, Ann. Nat. Hist. xiii; *C. manilæ*, Philippines, ASHMEAD, p. 281, Canad. Ent. xxxvi; *C. weinlandi*, New Guinea, SCHULZ, p. 235, Berlin. ent. Zeitschr. xlix; *C. strigata, miranda*, S. America, VACHAL, p. 15, Rev. Ent. franc. xxiii; *C. cerasiopleura*, p. 442, *lynchii*, p. 445, *lativalva*, p. 446, *C. ameghinoi*, p. 448, *tucumana*, p. 449, *mendozina, insolita*, p. 450, *chacoënsis*, p. 451, *vituperabilis*, p. 453, *quærens*, p. 454, Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii: **n. spp.**

Colletes, notes on some little-known, COCKERELL, p. 276, Ent. News Philad. xv; MORICE figures and describes the male genitalia of thirty-five species of *Colletes*, and tabulates the species, Tr. ent. Soc. London 1904,

pp. 25–63, pls. vi–ix; *C. occidentalis* Hal. = *chilensis* Spin., *cyaniventris* Hal. = *cyaniventris* Spin., ALFKEN, p. 141, Revist. chilena viii.

C. suecica, Sweden, AURIVILLIUS, p. 214, Ent. Tidskr. xxiv (omitted last year); *C. moricei*, Tenerife, SAUNDERS, p. 229, Ent. Mag. xl; *C. eous*, Transcaucasus, p. 43, *cecrops*, Attica, p. 44, *perezi*, Cairo, p. 45, *eatoni*, Algeria, p. 49, *phalericus*, S. Europe, p. 53, *pumilus*, Algeria, p. 55, MORICE, Tr. ent. Soc. London 1904; *C. similis*, N. America, ROBERTSON, p. 276, Canad. Ent. xxxvi; *C. robustus*, Nebraska, SWENK, p. 251, Ent. News Philad. xv; *C. fulgidus*, Oregon etc., SWENK, p. 95, Canad. Ent. xxxvi; *C. wilmattæ*, New Mexico, COCKERELL, p. 14, Canad. Ent. xxxvi; *C. niger*, p. 76, *bruneri*, p. 77, Costa Rica, SWENK, Canad. Ent. xxxvi; *C. catulus*, *virgatus*, S. America, VACHAL, p. 26, Rev. Ent. franc. xxiii; *C. cyaneus*, Argentina, HOLMBERG, p. 468, An. Mus. Buenos Aires (3) ii : **n. spp.**

Conohalictoides **n. g.** *C. lovelli* **n. sp.**, Delaware, VIERECK, p. 245, Ent. News Philad. xv.

Crocisa jaegerskoeldi, Khartoum, MORICE, p. 9, Jägerskiöld exp. No. 14, **n. sp.** (but see Zool. Rec. 1903).

Cryptohalictoides **n. g.** *C. spiniferus* **n. sp.**, Nebraska, VIERECK, p. 261, Ent. News Philad. xv.

Ctenoapis lutea, sexes, NURSE, p. 570, J. Bombay Soc. xv.

Ctenoplectra vagans, Philippines, COCKERELL, p. 204, Ann. Nat. Hist. xiv, **n. sp.**

Dialictus, composition, COCKERELL, p. 235, Entomologist 1904.

Dianthidium, fresh components, COCKERELL, pp. 206, 207, Ann. Nat. Hist. xiv.

Dioxys atlantica, Tenerife, SAUNDERS, p. 232, Ent. Mag. xl, **n. sp.**

Diphaglossa spinolæ, Bolivia, CRAWFORD, p. 50, Canad. Ent. xxxvi; *D.* ? *gaullei*, Tucuman, VACHAL, p. 23, Rev. Ent. franc. xxiii : **n. spp.**

Egapista **n. n.** for *Apista* Sm., COCKERELL, p. 357, Canad. Ent. xxxvi.

Energoponus **n. g.** *Anthophoritæ*, p. 406, *E. ameghoini*, p. 407, *strenuus*, p. 408, **n. spp.**, Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii.

Epeolus remigatus martini a distinct species, COCKERELL, p. 24, t. c.

E. crucis, p. 39, *beulahensis*, p. 40, New Mexico, *olympiellus*, Washington State, p. 41, COCKERELL, Ann. Nat. Hist. xiii; *E.* ? *baeri*, Tucuman, VACHAL, p. 23, Rev. Ent. franc. xxiii : **n. spp.**

Epiclopus gayi = (*Melecta chilensis*), COCKERELL, p. 207, Ann. Nat. Hist. xiv.

Epimonispractor **n. g.** p. 426, *E. gratiosus*, p. 427, *bomanii*, p. 428, **n. spp.** Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii.

Epinomia triangulifera, natural history, relations with other insects, PIERCE, pp. 181–189, Stud. Univ. Nebraska iv.

Eriades clypeatus, p. 297, *bicornutus*, *eximius*, p. 298, S. E. Africa, FRIESE, Zeitschr. Hym. Dipt. iv; *E. tenuis*, India, NURSE, p. 577, J. Bombay Soc. xv : **n. spp.**

Euaspis and *Parevaspis*, *E. smithi* n. n. for *abdominalis* Sm., FRIESE, pp. 137, 138, Allg. Zeitschr. Ent ix.

Eucera flavitarsis = (*Tetralonia placens* Schlett.), ALFKEN, p. 141, Revist. chilena viii.

E. medusa, p. 578, *diana*, *E.* (*Macrocera*) *phryne*, p. 579, *pomona*, p. 580, *cassandra*, p. 581, India, NURSE, J. Bombay Soc. xv, **n. spp.**

Euglossa cordata var. n. *townsendi*, COCKERELL, p. 24, Ann. Nat. Hist. xiv; *E. superba* Hoffm. (as *Plusia*) = (*smaragdina* Perty); FRIESE, p. 99, Zeitschr. Hym. Dipt. iv.

Exomalopsis verbesinæ, New Mexico, COCKERELL, p. 21, Ann. Nat. Hist. xiv, **n. sp.**

Greeleyella **n. g.** *Panurginæ*, p. 235, *G. beardsleyi* **n. sp.**, Colorado, p. 236, COCKERELL, Entomologist 1904.

Habropoda fulvipes, Khasia hills, CAMERON, p. 211, Ann. Nat. Hist. xiii, **n. sp.**

Halictus, synonymical notes on european, ALFKEN, p. 1, Zeitschr. Hym. Dipt. iv; *H. frey-gessneri* n. n. for *subfasciatus* Nyl., id. p. 3; *H. orpheus* n. n. for *testaceus* Nurse, NURSE, p. 26, J. Bombay Soc. xvi; *H.*, Australian and New Zealand species, COCKERELL, p. 211, Ann. Nat. Hist. xiv; *H. gayi*, *posticus* and *gayatinus* Spin. to *Ceratina*, ALFKEN, p. 141, Revist. chilena viii.

H., VACHAL (1426) describes by tables numerous species that are probably new, though this is not stated, many of the names occur twice, there are upwards of 100, all from South and Central America, ? **n. spp.**

H. dubitabilis, p. 613, *hollandi*, p. 614, *hammi*, p. 615, Majorca, SAUNDERS, Tr. ent. Soc. London 1904; *H. dubius*, Tenerife, SAUNDERS, p. 231, Ent. Mag. xl; *H. carinifrons*, N. India, CAMERON, p. 303, Ann. Nat. Hist. xiii; *H. himalayensis*, India, CAMERON, p. 210, Entomologist 1904; *H. philippinensis*, Manila, ASHMEAD, p. 128, P. U. S. Mus. xxviii; *H. manilæ*, Philippines, ASHMEAD, p. 281, Canad. Ent. xxxvi; *H. peraustralis*, S. Australia, COCKERELL, p. 211, Ann. Nat. Hist. xiv; *H. vierecki*, p. 97, *marinus*, p. 99, New Jersey, CRAWFORD, Ent. News Philad. xv; *H. denticulus*, *procerus*, p. 469, *nearcticus*, p. 470, N. America, *ochromerus*, Brazil, *citricornis*, Chili, *trichecus*, p. 471, *transvorsus*, *capitulatus*, p. 472, Mexico, *citerior*, hab. ?, *æquatus*, *linctus*, *crocoturus*, p. 473, *tricnienos*, *jubatus*, *circinatus*, p. 474, *pharus*, *costalis*, *spinalis*, Mexico, *egregius*, Brit. Colombia, *colatus*, Colorado, p. 476, *pallicornis*, Mexico, *crassus*, *granosus*, p. 477, *occultus*, N. America, *respersus*, *laneus*, Mexico, p. 478, *adelipus*, *pullilabris*, p. 479, *arctous*, *nigridens*, *nigricollis*, p. 480, *gelidus*, *gularis*, N. America, *aratus*, Mexico, *diatretus*, Colorado, p. 481, *bivarus*, *curtulus*, p. 482, Mexico, *fartus*, Washington, *sertus*, p. 483, *coactilis*, *ectypus*, *biseptus*, p. 484, *terginus*, *sudus*, Mexico, *beskei*, *centranellus*, S. America, p. 485, *cubitalis*, Mexico, *lanifer*, hab. ?, *pisinnus*, Chili, p. 486, VACHAL, Bull. Soc. Correze xxvi; *H. clematisellus*, New Mexico, COCKERELL, p. 13, Canad. Ent. xxxvi; *H. riveti*, *antarius*, p. 313, *H.* (*Augochl.*) *notares*, p. 314, Ecuador, VACHAL, Bull. Mus. Paris 1904; *H. baeri*, *alticola*, Tucuman, VACHAL, p. 25, Rev. Ent. franc. xxiii : **n. spp.**

Heriadini to be used instead of *Trypetini*, TITUS, p. 23, J. N. York Ent. Soc. xii.

Heriades bruneri, Costa Rica, TITUS, p. 24, t. c. **n. sp.**

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VESPIDÆ, EUMENIDÆ, RHOPALOSOMIDÆ, MASARIDÆ.

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N. polybioides, p. 272, *lugens*, p. 274, Peru, *bifasciata*, p. 275, *steinbachi*, p. 277, Tucuman, SCHULTHESS-RECHBERG, t. c. ; *N. sulcata*, Pará, DUCKE, p. 140, Zeitschr. Hym. Dipt. iv : **n. spp.**

Odynerus argentinus, nesting habits, BRÈTHES, p. 204, pl. i, Revist. Mus. La Plata x.

O. eatoni, Tenerife, SAUNDERS, p. 203, Ent. Mag. xl ; *O.* (? *Ancistrocerus*) *aberraticus*, White Nile, MORICE, p. 4, Jägerskiöld exp. No. 14 (but see Zool. Rec. 1903) ; *O. falcatus*, Cameroons, TULLGREN, p. 452, pl. xxv, fig. 13, Arkiv Zool. i ; *O. camicrus*, Darjiling, CAMERON, p. 259, Entomologist 1904 ; *O. rhipheus*, p. 308, *tytides*, p. 309, Darjiling, CAMERON, Entomologist 1904 ; *O. declivus*, p. 273, *acuminatus*, p. 274, *montevidensis*, p. 276, *subtropicalis*, p. 278, *lynchii*, p. 279, *catamarcensis*, p. 283, *arechavaletæ*, p. 285, *cuyanus*, p. 287, *heptagonalis*, p. 289, *punctatus*, p. 290, *bruchii*, p. 292, *ameghinoi*, p. 300, *schrottkyi*, p. 302, *patagonus*, p. 312, S. Amer., Bolivia, Patagonia, BRÈTHES, An. Mus. Buenos Aires (3) ii : **n. spp.**

Parachartergus and *P. bentobuenoi*, IHERING, Bull. Soc. ent. France 1904, p. 84.

P. wagneri, Tijuca, DU BUYSSON, p. 145, Bull. Soc. ent. France 1904, **n. sp.**

Polistella **n. g.** for *Polistes manillensis*, ASHMEAD, p. 133, P. U. S. Mus. xxviii.

Polistes tepidus novæ-pomeraniæ subsp. n., p. 227, *P. marginalis papuanus* subsp. n., p. 231, SCHULZ, Berlin. ent. Zeitschr. xlix ; *P. crinitus* = (*annularis* and *pallipes* Schrottky), BRÈTHES, p. 24, An. Mus. Buenos Aires (3) ii.

P. inornatus, Cameroons, TULLGREN, p. 456, pl. xxv, fig. 15, Arkiv Zool. i ; *P. niger*, Brazil, BRÈTHES, p. 20, An. Mus. Buenos Aires (3) ii ; *P. gœldii*, p. 368, *biglumoides*, p. 369, *claripennis*, p. 370, *rufiventris*, *occipitalis*, p. 371, S. America, DUCKE, Bol. Mus. Gœldi iv : **n. spp.**

Polistoides **n. gr.** for pt. of *Polistes*, DALLA TORRE, p. 68, Vespidæ.

Polybia furnaria, p. 85, *ypiranguensis*, p. 86, IHERING, Bull. Soc. ent. France 1904 ; *P. jurinei* var. n. *bonaërense*, BRÈTHES, p. 28, An. Mus. Buenos Aires (3) ii.

P. pseudomimetia, Amazons, SCHULZ, p. 803, SB. Ak. Munchen 1903 ; *P. huberi*, *holoxantha*, p. 349, *micans*, *rufitarsis*, p. 351, *vulgaris*, p. 352, *lutea*, p. 353, *obidensis*, p. 354, *lignicola*, *cœmentaria*, p. 355, *sculpturata*, p. 356, S. America, DUCKE, Bol. Mus. Gœldi iv : **n. spp.**

Protapoica **n. n.** for *Apoica* pt., DALLA TORRE, p. 79, Vespidæ.

Protodiscœlius **n. gr.** of *Discœlius*, DALLA TORRE, p. 18, Vespidæ.

Rhynchium hæmorrhoidale dohertyi subsp. n., SCHULZ, p. 223, Berlin. ent. Zeitschr. xlix ; *R. sirdari*, Khartoum, MORICE, p. 4, Jägerskiöld exp. No. 14, n. sp. (but see Zool. Rec. 1903).

Synagris trispinosa, p. 447, pl. xxiv, fig. 9, *rufopicta*, fig. 10, p. 448, *uncata*, fig. 11, p. 449, 4-*punctata*, fig. 12, p. 450, Cameroons, TULLGREN, Arkiv Zool. i, **n. spp.**

Tetrarthra **n. gr.** of *Monobia*, DALLA TORRE, p. 28, Vespidæ.

Triarthra **n. gr.** of *Monobia*, DALLA TORRE, p. 28, Vespidæ.

Trimeria buyssoni, Argentina, BRÈTHES, p. 371, An. Mus. Buenos Aires (3) ii, **n. sp.**

Tritodiscœlius **n. gr.** of *Discœlius*, DALLA TORRE, p. 18, Vespidæ.

Vespa : R. DU BUYSSON completes his monograph of *Vespa*, describing several varr. n. in addition to the new species mentioned below, Ann. Soc. ent. France 1904, pp. 485–556, plates v–x ; *V. orbata* var. n. *aurulenta*, *V. rufa intermedia* var. n. p. 591, var. n. *americana*, p. 592, *V. norvegica* var. n. *adulterina*, p. 600, *V. silvestris* var. n. *sumptuosa*, p. 603, *V. germanica* var. n. *stizoides*, p. 615, DU BUYSSON, t. c. ; *V. germanica*, nest, census, PECHLANER, Verh. Ges. Wien liv, p. 77 ; *V. rufa*, nest with *V. austriaca*, BERESFORD, p. 242, Irish Natural. 1904.

V. barthelemyi, Cambodia, DU BUYSSON, p. 618, Ann. Soc. ent. France 1904 ; *V. variabilis*, China, p. 522, *binghami*, Yunnan, p. 523, *eulemoides*, Andaman Islands, p. 530, *mocsaryana*, Malacca, p. 537, *walkeri*, China, p. 539, DU BUYSSON, Ann. Soc. ent. France 1904 : **n. spp.**

Wettsteinia **n. g.** for *Labus* Sect. II Sauss., DALLA TORRE, p. 13, Vespidæ.

Zethoides **n. g.** *Masaridæ*, p. 93, *Z. flavolineatus* **n. sp.**, Panama, p. 94, CAMERON, Tr. Amer. ent. Soc. xxx.

Zethus broomi, S. Africa, CAMERON, p. 110, Rec. Albany Mus. i ; *Z. himalayensis*, p. 13, 3-*maculatus*, p. 14, Sikkim, CAMERON, Zeitschr. Hym. Dipt. iv ; *Z. corallinus*, p. 135, *dimidiatus*, p. 136, Pará, DUCKE, Zeitschr. Hym. Dipt. iv : **n. spp.**

HYMENOPTERA FOSSORIA (or SPHEGOIDEA).

[Cf. ADLERZ (13, 16), ANDRÉ (28–30), ASHMEAD (44, 46, 47, 48), AURIVILLIUS (59), BRÈTHES (181), DU BUYSSON (219), CAMERON (222, 224, 225, 227–230, 232–234, 238), DUCKE (413), ENDERLEIN (458), GARCIA (587, 588), KOPP (840), MANTERO (904), NURSE (986), PICARD (1080), SAUNDERS (1214, 1215), SAUSSURE (1218), SCHULZ (1253, 1254), TULLGREN (1404, 1405), VIERECK (1445, 1446, 1449, 1453), VIERECK & COCKERELL (1455).]

Synopsis of the *Fossoria* of Argentina, 57 spp., HOLMBERG, pp. 469–504, An. Mus. Buenos Aires (3) ii.

Classification of *Mutillidæ* completed, ASHMEAD, pp. 5–9, Canad. Ent. xxxvi; *Mutillidæ*, Ashmead's genera detailed and criticised, ANDRÉ, pp. 27–41, Rev. Ent. franc. xxiii.

Philanthidæ, N. American, revision and tables, VIERECK & COCKERELL, J. N. York Ent. Soc. xii, pp. 84, 129 etc.

The *Sphegidæ* of Sweden, AURIVILLIUS, Ent. Tidskr. xxv, pp. 241–300.

Localities for Palæarctic *Sphegidæ*, SCHULZ (1254).

Æluroides **n. g.** *Thynnidæ*, p. 428, *Æ. sjostedti* **n. sp.**, Cameroons, p. 429, TULLGREN, Arkiv Zool. i.

Agenia cingulata, Manila, ASHMEAD, p. 133, P. U. S. Mus. xxviii; *A. lynchii*, Buenos Ayres, HOLMBERG, p. 494, An. Mus. Buenos Aires (3) ii : **n. spp.**

Ammophila bolanica ♂, NURSE, p. 25, J. Bombay Soc. xvi; *A. sabulosa*, habits, KOPP, pp. 344–346, Jahresh. Ver. Wurttemb. lx.

Ammoplanus ceanothæ, Pennsylvania, VIERECK, p. 72, Psyche xi, **n. sp.**

Ampulex hellmayri, Amazons, SCHULZ, p. 760, SB. Ak. Munchen 1903, **n. sp.**

Anodontyna tricolor ♀, p. 317, *albofasciata* ♂, p. 318, ANDRÉ, Zeitschr. Hym. Dipt. iv.

Anoplius johannis, p. 126, *oneili*, p. 127, *A.* (*Ferreola?*) *gradatus*, *A.* (*Schizosalius?*) *melanostomus*, p. 128, *A. argenteodecoratus*, p. 129, *dunbrodyensis*, p. 130, *labialis*, *spilopus*, p. 131, *hirtiscapus*, p. 132, *trichiocephalus*, p. 133, *A.* (*Homonotus*) *spilonotus*, p. 134, *A.? cœnoceras*, p. 135, Cape Colony, CAMERON, Rec. Albany Mus. i, **n. spp.**

Anothyreus panurgoides, Pennsylvania, VIERECK, p. 239, Tr. Amer. ent. Soc. xxx, **n. sp.**

Apteropompilus dentatus, Uitenhage, CAMERON, p. 176, Zeitschr. Hym. Dipt. iv, **n. sp.**

Astata lucinda, Quetta, NURSE, p. 25, J. Bombay Soc. xvi, **n. sp.**

Aulacophilus eumenoides, Pará, DUCKE, p. 97, Zeitschr. Hym. Dipt. iv, **n. sp.**

Barymutilla alticola, W. Africa, ANDRÉ, p. 226, Ann. Mus. Genova xli, **n. sp.**

Bembex, characters of Spanish, GARCÍA, pp. 341–356, Bol. Soc. espan. iv.

B. handlirschi, p. 343, *miscella*, p. 345, *hispanica*, p. 347, Spain, GARCÍA, t. c.; *B. megadonta*, Darjiling, CAMERON, p. 261, Entomologist 1904; *B. khasiana*, Assam, CAMERON, p. 123, Tr. ent. Soc. London 1904 : **n. spp.**

Bembidula simillima Sm. redescribed, DUCKE, p. 91, Zeitschr. Hym. Dipt. iv.

Bothynostethus collaris, Pará, p. 95, *clypealis*, Alemquer, p. 189, DUCKE, t. c. **n. spp.**

Cerceris rybensis dittrichi subsp. n., SCHULZ, p. 93, Zeitschr. Ent. Breslau xxix.

C. violaceipennis, p. 292, *latibalteata*, p. 293, N. India, CAMERON, Ann. Nat. Hist. xiii; *C. japonica*, *quinquecincta*, Japan, ASHMEAD, p. 66, J. N. York Ent. Soc. xii; *C. nasica*, *fidelis*, p. 132, *platyrhina*, *macrosticta*, p. 133, *ferruginior*, p. 134, *garciana*, *populorum*, *femur-rubrum*, p. 135, *convergens*, *chilopsidis*, p. 136, *rinconis*, *novomexicana*, p. 137, *crotonella*, *eriogoni*, p. 139, *townsendi*, *vicinoides*, p. 140, New Mexico, VIERECK & COCKERELL, J. N. York Ent. Soc. xii; *C. perspicua*, p. 475, *paupercula*, *lævigata*, p. 476, *moyanoi*, p. 477, *caridei*, p. 478, *proboscidea*, p. 479, *diademata*, p. 480, *melanogaster*, *gaudebunda*, p. 481, *polychroma*, p. 483, *campestris*, p. 484, *elephantinops* with var. *dissita*, p. 485, *bonaërensis*, p. 486, Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii : **n. spp.**

Ceropales maculata, parasitic habits, ADLERZ, Bih. Svenska Ak. xxviii, Afd. iv, No. 14, 20 pp.

C. punctulata, Cape Colony, CAMERON, p. 138, Rec. Albany Mus. i, **n. sp.**

Chlorion cyaneum, synonymy, FERNALD, p. 120, Ent. News Philad. xv; *C. lobatus*, food-habits, MAXWELL-LEFROY, p. 531, J. Bombay Soc. xv.
Clytochrysus dubiosus, Japan, ASHMEAD, p. 65, J. N. York Ent. Soc. xii, **n. sp.**
Crabro alatus japonicus subsp. n., SCHULZ, p. 99, Zeitschr. Ent. Breslau xxix.
C. trichiosomus, p. 260, *agycus*, p. 261, Himalaya, CAMERON, Entomologist 1904, **n. spp.**
Dasyproctus philippinensis, Manila, ASHMEAD, p. 129, P. U. S. Mus. xxviii, **n. sp.**
Dielis testaceipes, Japan, CAMERON, p. 34, Entomologist 1904, **n. sp.**
Diodontus gracilipes, Tenerife, SAUNDERS, p. 202, Ent. Mag. xl; *D. crassicornis*, Oregon, VIERECK, p. 243, Tr. Amer. ent. Soc. xxx : **n. spp.**
Dolichomutilla bolamana, W. Africa, ANDRÉ, p. 223, Ann. Mus. Genova xli, **n. sp.**
Dolichurus obidensis var. n. *maranhensis*, DUCKE, p. 91, Zeitschr. Hym. Dipt. iv.
Elaphroptera herbsti, Chile, ANDRÉ, p. 308, Zeitschr. Hym. Dipt. iv, **n. sp.**
Entomognathus lenapeorum, Pennsylvania, VIERECK, p. 239, Tr. Amer. ent. Soc. xxx, **n. sp.**
Ephuta (*Photopsis*) *chilicola*, Chile, ANDRÉ, p. 306, Zeitschr. Hym. Dipt. iv, **n. sp.**
Ephutopsis **n. g.** *Ephutinæ*, type *trinidadensis* Ashm., ASHMEAD, p. 6, Canad. Ent. xxxvi.
Eucerceris, tables of species, VIERECK & COCKERELL, pp. 84–88, J. N. York Ent. Soc. xii.
E. striareata, p. 85, *chapmanæ*, p. 86, *simulatrix*, p. 87, New Mexico, iid. t. c. **n. spp.**
Euspinolia, characters and components, ANDRÉ, p. 286, Zeitschr. Hym. Dipt. iv.
Gorytes lævis ægyptiacus subsp. n., SCHULZ, p. 96, Zeitschr. Ent. Breslau xxix; *G. scutellaris*=(*Harpactes sanguinans* Dom.), *G. triangularis* Sm., taxonomical characters, DUCKE, p. 92, Zeitschr. Hym. Dipt. iv.
Homalothynnus **n. g.** *Thynnidæ*, p. 466, *H. eburneus* **n. sp.**, Adelaide, p. 468, ENDERLEIN, Zool. Anz. xxvii.
Ischnolynthus **n. g.** near *Crabro*, *I. foveolatus* **n. sp.** Argentina, HOLMBERG, p. 472, An. Mus. Buenos Aires (3) ii.
Larra bicolorata, p. 294, *pygidialis*, p. 295, N. India, CAMERON, Ann. Nat. Hist. xiii; *L. apicepennis*, N. India, CAMERON, p. 302, t. c. : **n. spp.**
Liris violaceipennis, N. India, CAMERON, p. 300, Ann. Nat. Hist. xiii, **n. sp.**
Macromeris honestus, Sm. (as *Pompilus*)=(*aureopilosa* Cam.), CAMERON, p. 90, Zeitschr. Hym. Dipt. iv.
Megalomma quadricinctum, Manila, ASHMEAD, p. 132, P. U. S. Mus. xxviii, **n. sp.**
Meria quadrimaculata to *Myzine*, CAMERON, p. 90, Zeitschr. Hym. Dipt. iv.
Methoca ichneumonoides, habits, ADLERZ, pp. 255–258, Arkiv Zool. i.
Mimesa palliditarsis, Majorca, SAUNDERS, p. 605, Tr. ent. Soc. London 1904, **n. sp.**
Monedula surinamensis, nesting habits, BRÈTHES, pp. 200–204, Revist. Mus. La Plata x.
Mutilla alecto, *M. æstuans* Gerst. is ♀, p. 227, *M. atricolor* ♂, p. 233, var. n. *ochraceomaculata*, p. 234, *M. cyparissa* ♀, p. 236, ANDRÉ, Ann. Mus. Genova xli.
M. sordidata, Cameroons, TULLGREN, p. 427, Arkiv Zool. i; *M. aurodecorata*, p. 229, *omissa*, p. 231, *ignota*, p. 240, *principis*, p. 242, *polyacantha*, p. 245 & var. *dichromatica*, p. 246, *sessiliventris*, p. 246, *varians*, p. 247, *spinicollis*, p. 250, W. Africa, ANDRÉ, Ann. Mus. Genova xli; *M. vesta*, India, NURSE, p. 24, J. Bombay Soc. xvi; *M. inoa*,

p. 279, *artaxa*, *trebia*, p. 280, N. India, CAMERON, Ann. Nat. Hist. xiii; *M. sceva*, p. 6, *gnatia*, p. 7, *tiza*, p. 8, Khasia hills, CAMERON, Zeitschr. Hym. Dipt. iv; *M. semperi*, Manila, ASHMEAD, p. 135, P. U. S. Mus. xxviii : **n. spp.**

Myrmilla subspinosa, W. Africa, ANDRÉ, p. 222, Ann. Mus. Genova xli, **n. sp.**

Myzine, *Apis fusiformis* De Geer, to this, TULLGREN, p. 462, Arkiv Zool. i.

Nectanebus fischeri fischeri, and *fischeri algeriensis*, SCHULZ, pp. 9–11, Allg. Zeitschr. Ent. ix.

Notogonia manilæ, Philippines, ASHMEAD, p. 130, P. U. S. Mus. xxviii, **n. sp.**

Nysson laufferi, Madrid, GARCÍA, p. 392, Bol. Soc. espan. iv; *N. violaceipennis*, Sikkim, CAMERON, p. 10, Zeitschr. Hym. Dipt. iv; *N. submellipes*, *tramosericus*, p. 237, *daeckei*, p. 238, N. America, VIERECK, Tr. Amer. ent. Soc. xxx; *N. cressoni*, N. Mexico, CAMERON, p. 95, Tr. Amer. ent. Soc. xxx; *N. alfkeni*, Amazons, DUCKE, p. 190, Zeitschr. Hym. Dipt. iv : **n. spp.**

Ochleroptera **n. g.** *O. oblita* **n. sp.**, Argentina, HOLMBERG, p. 487, An. Mus. Buenos Aires (3) ii.

Odontolarra nigra, Sikkim, CAMERON, p. 12, Zeitschr. Hym. Dipt. iv, **n. sp.**

Odontophotopsis acmæus, p. 84, *subtenuis*, *trunculus*, p. 85, *crucis*, p. 86, *sercus*, *alamonis*, p. 87, *avellanus*, p. 88, *fallax*, *indotatus*, p. 89, *augustus*, p. 90, *delodontus*, p. 91, VIERECK, Tr. Amer. ent. Soc. xxx, **n. spp.**

Odontothynnus **n. g.** *Thynnides*, p. 161, *O. bidentata*, *lacteipennis*, p. 162, **n. spp.**, S. Africa, CAMERON, Rec. Albany Mus. i.

Ornepetes albonotata, Chile, ANDRÉ, p. 314, Zeitschr. Hym. Dipt. iv, **n. sp.**

Oxybelus platensis, Buenos Aires, **n. sp.**, p. 195, with notes on habits and instincts, pp. 196–200, pl. i, BRÈTHES, Revist. Mus. La Plata x.

Paniscomima **n. g.** *Rhopalosomidæ*, p. 465, for *P. erlangeriana* **n. sp.**, Somaliland, p. 466, ENDERLEIN, Zool. Anz. xxvii.

Paranothyreus rugicollis, New Jersey, VIERECK, p. 241, Tr. Amer. ent. Soc. xxx, **n. sp.**

Paratiphia 12-*maculata*, Panama, CAMERON, p. 94, Tr. Amer. ent. Soc. xxx, **n. sp.**

Passalaccus (sic) *rivertonensis*, New Jersey, VIERECK, p. 243, Tr. Amer. ent. Soc. xxx, **n. sp.**

Philanthus camerunensis, Africa, TULLGREN, p. 444, pl. xxiii, fig. 7, Arkiv Zool. i; *P. punctinudus*, p. 144, *crotoniphilus*, p. 145, New Mexico, VIERECK & COCKERELL, J. N. York Ent. Soc. xii : **n. spp.**

Piagetia varicornis, Sikkim, CAMERON, p. 11, Zeitschr. Hym. Dipt. iv; *P. ruficollis*, Singapore, CAMERON, p. 119, J. Straits Asiat. Soc. xli : **n. spp.**

Pison pallidipalpe, description, SCHULZ, p. 214, Berlin. ent. Zeitschr. xlix.

P. lagunæ, Philippines, ASHMEAD, p. 131, P. U. S. Mus. xxviii, **n. sp.**

Pisonitus argenteus, Philippines, ASHMEAD, p. 131, t. c. **n. sp.**

Podium (*Parapodium*) *batesianum*, Amazons, SCHULZ, p. 772, SB. Ak. Munchen 1903, **n. sp.**

Pompilus viaticus, habits, PICARD, pp. 142–145, Feuille Natural. xxxiv.

P. doriæ, Tuscany, MANTERO, p. 453, Ann. Mus. Genova xli; *P. poultoni*, Majorca, SAUNDERS, p. 600, Tr. ent. Soc. London 1904; *P. guimarensis*, Tenerife, SAUNDERS, p. 200, Ent. Mag. xl; *P. bifasciatus*, Cameroons, TULLGREN, p. 441, pl. xxiii, fig. 6, Arkiv Zool. i; *P. suspectus*, Cambodia, pl. xii, fig. 4, p. 200, SAUSSURE, Mission Pavie iii; *P. spilopterus*, p. 496, *phœnicogaster*, p. 497, *tobarum*, p. 498, *autrani*, p. 499, *hermannii*, p. 501, *yanketruz*, p. 502, Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii : **n. spp.**

Prionocnemis parcedentatus, Tonkin, pl. xii, fig. 3, p. 200, SAUSSURE, Mission Pavie iii; *P. australis*, p. 490, *pampicola*, *fratellus*, *atelerythrus*, p. 491, *tenuis*, *ignitus*, *fidanzæ*, p. 492, *nigrorufus*, *carbonarius*, *silvicola*, p. 493, Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii : **n. spp.**

Psen rufobalteata, Khasia hills, CAMERON, p. 219, Ann. Nat. Hist. xiii, **n. sp.**

Pseudagenia longitarsis, p. 135, *robusta*, p. 136, *iridipennis*, *æthiopica*, p. 137, Cape Colony, CAMERON, Rec. Albany Mus. i; *P. lepcha*, N. India, CAMERON, p. 291, Ann. Nat. Hist. xiii; *P. unifasciata*, Philippines, ASHMEAD, p. 7, J. N. York Ent. Soc. xii : **n. spp.**

Pseudelaphroptera flavomaculata, Chile, ANDRÉ, p. 311, Zeitschr. Hym. Dipt. iv, **n. sp.**

Pseudomethoca herbsti, Chile, ANDRÉ, p. 284, t. c. **n. sp.**

Pseudosalius **n. g.** for *Salius bipartitus* Lep., ASHMEAD, p. 132, P. U. S. Mus. xxviii.

Pycnomutilla **n. g.** type *M. waco* Bl., ASHMEAD, p. 8, Canad. Ent. xxxvi.

Reedia **n. g.** type *Mutilla atripennis* Spin., ASHMEAD, p. 9, t. c.; *Reedia*, characters, p. 288, *R. gayi* ♂, p. 305, ANDRÉ, Zeitschr. Hym. Dipt. iv.

Rhopalum albocollare, Manila, ASHMEAD, p. 130, P. U. S. Mus. xxviii; *R. patagonicum*, p. 470, *lynchii*, p. 471, Argentina, HOLMBERG, An. Mus. Buenos Aires (3) ii : **n. spp.**

Salius ochropus Stål., description, p. 435, pl. xxii, fig. 1, TULLGREN, Arkiv Zool. i; *S. fulgidipennis* to *Pallosoma*, ASHMEAD, p. 132, P. U. S. Mus. xxviii.

S. trichiosoma, p. 289, *frederici*, p. 290, *lugubrinus*, p. 291, N. India, CAMERON, Ann. Nat. Hist. xiii; *S. æneus*, Sikkim, CAMERON, p. 10, Zeitschr. Hym. Dipt. iv; *S. pavianus*, Cambodia, pl. xii, figg. 1, 2, p. 199, SAUSSURE, Mission Pavie iii : **n. spp.**

Sapyga wagneriella, Minas Geraes, DU BUYSSON, p. 146, Bull. Soc. ent. France 1904, **n. sp.**

Schizanoplius **n. g.** *Ceropalinæ*, p. 125, *S. violaceipennis* **n. sp.**, Cape Colony, p. 126, CAMERON, Rec. Albany Mus. i.

Scolia, notes on species from Java etc., TULLGREN, pp. 465–472, Arkiv Zool. i; *S. erythrogaster*, p. 459, *leonina*, p. 461, identified and redescribed, TULLGREN, t. c.

S. (*Elis*) *propinqua*, p. 432, *deserta*, *æthiopica*, p. 433, Cameroons, TULLGREN, Arkiv Zool. i; *S. magnificus*, p. 437, pl. xxii, fig. 2, *nigricans*, fig. 3, p. 438, *S.* (*Cyphonyx*) *camerunensis*, pl. xxiii, fig. 4, p. 439, *nigricornis*, fig. 5, p. 440, Cameroons, TULLGREN, Arkiv Zool. i; *S.* (*Discolia*) *erythrotrichia*, N. India, CAMERON, p. 9, Zeitschr. Hym. Dipt. iv; *S.* (*Triscolia*) *triangulifer*, p. 466, *S.* (*Discolia*) *billitonensis*, p. 467, *S.* (*Dielis*) *simillima*, p. 470, *fumata*, p. 471, Java, TULLGREN, Arkiv Zool. i; *S. manilæ*, Philippines, ASHMEAD, p. 8, J. N. York Ent. Soc. xii : **n. spp.**

Solenius, note on habits, KOPP, pp. 348–350, Jahresh. Ver. Wurttemb. lx.

Soleriella canariensis, Tenerife, SAUNDERS, p. 201, Ent. Mag. xl; *S. amazonica*, Alemquer, DUCKE, p. 96, Zeitschr. Hym. Dipt. iv : **n. spp.**

Stenocrabro nelli, p. 241, *flavitrochantericus*, p. 242, N. America, VIERECK, Tr. Amer. ent. Soc. xxx, **n. spp.**

Stizus pœcilopterus ♂, MORICE, p. 2, Jägerskiöld exp. No. 14; *S. tridens* and *cyanescens*, SCHULZ, p. 95, Zeitschr. Ent. Breslau xxix.

Tachysphex tinctipennis, N. India, CAMERON, p. 301, Ann. Nat. Hist. xiii; *T. propinquus*, Arizona, VIERECK, p. 87, Ent. News Philad. xv : **n. spp.**

Tachytes rufipalpis, p. 296, *assamensis*, *fulvopilosa*, p. 297, *fulvovestita*, p. 298, *maculipennis*, p. 299, N. India, CAMERON, Ann. Nat. Hist. xiii, **n. spp.**

Thyreosphex **n. g.** near *Tachysphex*, *T. stantoni* **n. sp.**, Philippines, ASHMEAD, Canad. Ent. xxxvi.

Tiphia clarinerva, p. 281, *himalayensis*, p. 282, *robusta*, p. 283, *denticula*, p. 284, *tuberculata*, p. 285, *fulvinerva*, p. 286, *simlaensis*, p. 287, *quinquecarinata*, p. 288, N. India, CAMERON, Ann. Nat. Hist. xiii, **n. spp.**

Trachypus martialis, Argentina, HOLMBERG, p. 489, An. Mus. Buenos Aires (3) ii, **n. sp.**

Trypoxylon foveatum, Cape Colony, CAMERON, p. 139, Rec. Albany Mus. i; *T. placidum*, p. 216, *fulvocollare*, p. 217, *khasiæ*, *orientale*, p. 218, N. India, CAMERON, Ann. Nat. Hist. xiii; *T. philippinensis*, Manila, ASHMEAD, p. 283, Canad. Ent. xxxvi : **n. spp.**

FORMICIDÆ (or HETEROGYNA).

[Cf. COOK (309–311), EMERY (452, 453), FIELDE (501–507), FIELDE & PARKER (508), FOREL (523–532), HOLMGREN (701), MAYR (927, 928), MUCKERMANN (968), RUZSKY (1202), WASMANN (1481, 1483, 1484, 1484A), WELLENIUS (1508), WHEELER (1517–1523).]

Comparison of forms of *Dorylinæ* and limits of the family, EMERY, Arch. zool. ital. ii, pp. 107–116, cuts.

New inquiline and ♂ ergatoid ants, WHEELER, Bull. Amer. Mus. xx, pp. 1–17.

Polymorphism discussed, EMERY (452), FOREL (525).

Mental capacities of Ants, WASMANN (1483).

For various papers on habits of ants see p. 87, Ethology.

Mounds in swamps due to *Formica exsecta*, HOLMGREN, pp. 353–370, cuts, Zool. Jahrb. Syst. xx.

Portable nests, instructions for making, FIELDE (505).

Acanthostichus texanus, Brownsville, FOREL, p. 168, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Anochetus traogaordhi, Khartoum, MAYR, p. 2, Jägerskiöld exp. No. 9, **n. sp.**

Anomma emeryi var. n. *pulsi*, FOREL, p. 170, Ann. Soc. ent. Belgique xlviii.

Atta cephalotes varr. n. *opaca*, *integrior*, p. 31, *A. rugosa* var. n. *rochai*, p. 34, FOREL, Rev. Suisse Zool. xii; *A. coronata*, worker, FOREL, p. 176, Ann. Soc. ent. Belgique xlviii.

A. (*Acromyrmex*) *emilii*, Para, FOREL, p. 32, Rev. Suisse Zool. xii, **n. sp.**

Azteca schumanni var. n. *tædiosa*, p. 42, *festai subdentata* and *mediops* subspp. n. p. 43, *chartifex* var. n. *decipiens*, *alfaroi* var. n. *ovaticeps*, p. 44, *velox paraensis* subsp. n. p. 45, FOREL, t. c.; *A. alfari æquilata* var. n. p. 691, *traili filicis* var. n. p. 692, *traili tococæ* var. n. p. 693, *longiceps juruensis* var. n. p. 699, FOREL, Zool. Jahrb. Syst. xx.

A. olitrix, p. 693, *ulei*, p. 694, with varr. n. *cordiæ* and *nigricornis*, p. 695, *minor*, p. 696, *duroiæ*, p. 697, *emeryi*, p. 698, *coussapoæ*, p. 700, *tachigaliæ*, p. 701, Amazons, *emmæ*, Costa Rica, p. 702, FOREL, t. c. **n. spp.**

Camponotus maculatus var. n. *atramentarius*, p. 379, *herculeanus* var. n. *sachalinensis*, p. 381, FOREL, Annuaire Mus. St. Petersb. viii; *C. maculatus* var. n. *cachmiriensis*, FOREL, p. 29, Rev. Suisse Zool. xii; *C. hyatti* var. n. *bakeri*, WHEELER, p. 271, Bull. Amer. Mus. xx; *C. maculatus sanctus* n. st., FOREL, p. 18, Rev. Suisse Zool. xii; *C. maculatus ballioni* n. st., FOREL, p. 176, Ann. Soc. ent. Belgique xlviii, *C. maculatus xerxes* n. st., FOREL, p. 424, t. c., *C. herculeanus* var. *whymperi*, characters, FOREL, p. 152, t. c.; *C. senex*, using larva, p. 45, *C. urichii* var. n. *sculna* and subsp. n. *folicola*, p. 46, *melanoticus* a valid species, p. 49, *C. integellus*=(*rudigenis* Em.), *femoratus* redescribed, p. 49, *novogranadensis* var. n. *modestior*, *rectangularis* var. n. *setipes*, p. 51, FOREL, Rev. Suisse Zool. xii.

C. socrates, N. India, FOREL, p. 27, t. c.; *C. ulei*, Peru, FOREL, p. 706, Zool.

Jahrb. Syst. xx; *C. amoris*, Amazons, FOREL, p. 51, Rev. Suisse Zool. xii : **n. spp.**

Cardiocondyla nuda, ergatomorph ♂, ♀, FOREL, p. 7, t. c.

Carebara sicheli redescribed, MAYR, p. 596, Verh. Ges. Wien liv.

C. junodi, Africa, FOREL, p. 154, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Colobopsis, or stopper-headed ants, account of, FOREL, pp. 139–158, cuts, *C. abditus* var. n. *etiolatus*, p. 150, WHEELER, Bull. Amer. Mus. xx.

C. pylartes, Texas, WHEELER, p. 147, t. c. **n. sp.**

Cremastogaster stollii amazonensis var. n. p. 682, *C. limata parabiotica* subsp. n. p. 683, FOREL, Zool. Jahrb. Syst. xx; *C. dalyi* var. n. *sikkimensis*, FOREL, p. 24, Rev. Suisse Zool. xii, *C. inermis lucida* ♂, FOREL, p. 6, t. c., *C. longispina tenuicola* subsp. n. p. 36, *distans paraensis* n. st. p. 37, FOREL, t. c.

C. binghamii, Sikkim, FOREL, p. 24, t. c., *C. pygmæa*, Ceara, FOREL, p. 37, t. c. : **n. spp.**

Cryptocerus complanatus ramiphilus subsp. n., FOREL, p. 678, Zool. Jahrb. Syst. xx.

Dolichoderus plagiatus var. n. *beutenmulleri*, WHEELER, p. 304, Bull. Amer. Mus. xx.

Dorylus nigricans varr. p. 671, *fulvus dentifrons* subsp. n. p. 673, WASMANN, Zool. Jahrb. Suppl. vii.

D. (*Anomma*) *kohli*, Congo, WASMANN, p. 669, t. c. **n. sp.**

Dorymyrmex goldii, Para, FOREL, p. 41, Rev. Suisse Zool. xii; *D. antarcticus*, Patagonia, FOREL, p. 6, Hamburg. Magalhaen. Reise vii : **n. spp.**

Eciton selysi, Brazil, FOREL, p. 169, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Ectatomma ferrugineum, pupation, COOK, p. 310, and WHEELER, pp. 437–440, Science xx.

Epipheidole **n. g.** near *Pheidole*, p. 14, *E. inquilina* **n. sp.**, Colorado, p. 15, WHEELER, Bull. Amer. Mus. xx.

Euponera (*Mesoponera*) *sulcigera*, Cape colony, MAYR, p. 593, Verh. Ges. Wien liv, **n. sp.**

Formica fusca var. n. *rubescens*, FOREL, p. 423, Ann. Soc. ent. Belgique xlviii ; *F. rufa* var. n. *whymperi*, p. 152, *dacotensis* var. n. *wasmanni*, p. 153, FOREL, t. c. ; *F. pallidefulva* varr. n. *succinea*, p. 369, *meridionalis*, p. 370, *F. difficilis* var. n. *consocians*, p. 371, *F. microgyna* var. n. *nevadensis*, p. 373, WHEELER, Bull. Amer. Mus. xx ; *F. rubicunda*, pseudogynes and *Xenodusa*, MUCKERMANN, Ent. News Philad. xv, pp. 339–341, pl. xx ; *F. sanguinea*, habits, WASMANN (1484).

F. adelungi, Gobi desert, FOREL, p. 385, Annuaire Mus. St. Petersb. viii ; *F. montigena*, Colorado, WHEELER, p. 374, Bull. Amer. Mus. xx : **n. spp.**

Iridomyrmex anceps var. n. *sikkimensis*, FOREL, p. 27, Rev. Suisse Zool. xii.

Lasius niger var. n. *flavescens*, FOREL, p. 386, Annuaire Mus. St. Petersb. viii.

Leptanilla, affinities, EMERY, pp. 107–116, Arch. Zool. ital. ii.

Leptogenys elongata, characters and habits, WHEELER, Biol. Bull. vi, pp. 251–259.

Leptothorax bulgaricus var. n. *melleus*, FOREL, p. 375, Annuaire Mus. St. Petersb. viii ; *L. unifasciatus* var. n. *tauricus*, RUZSKY, p. 22, Protok. Kazan Univ. 1902, 1903, No. 206 ; *L. rothneyi* var. n. *simlensis*, FOREL, p. 22, Rev. Suisse Zool. xii ; *L. tuberum* var. n. *dichroa*, EMERY, p. 452, Ann. Mus. Genova xli.

L. alpinus, Caucasus, RUZSKY, p. 22, Protok. Kazan Univ. 1902, 1903, No. 6 ; *L. wroughtonii*, N. India, FOREL, p. 22, Rev. Suisse Zool. iii : **n. spp.**

Megalomyrmex emeryi, Surinam, FOREL, p. 174, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Melophorus sauberi, Patagonia, p. 4, *valdiviensis*, Chile, p. 6, FOREL, Hamburg. Magalhaen. Reise vii, **n. spp.**

Monomorium minutum ergatogyna subsp. n., WHEELER, p. 269, Bull. Amer. Mus. xx; *M. denticulatum* var. n. *navarinensis*, FOREL, p. 7, Hamburg. Magalhaen. Reise vii.

M. luisæ, Kashmir, FOREL, p. 25, Rev. Suisse Zool. xii, **n. sp.**

Myrmecocystus viaticus varr. n. *abyssinicus* and *adenensis*, FOREL, p. 382, Annuaire Mus. St. Petersb. viii.

Myrmelachista ruzskyi for *ruszkii*, FOREL, p. 1, Rev. Suisse Zool. xii.

M. ulei, Peru, *chilensis*, p. 704, *rectinota*, p. 705, Chile, FOREL, Zool. Jahrb. Syst. xx, **n. spp.**

Myrmica rubra varr. n. *whymperi*, *glacialis*, FOREL, p. 154, Ann. Soc. ent. Belgique xlviii; *M. rubra* var. n. *tenuispina*, FOREL, p. 374, Annuaire Mus. St. Petersb. viii; *M. smythiesii* varr. n. *fortior*, p. 22, *lutescens*, p. 23, FOREL, Rev. Suisse Zool. xii.

Oxyopomyrmex santschii, Kairouan, FOREL, p. 8, nest and habits, p. 10, t. c. **n. sp.**

Paltothyreus tarsatus, offensive odour, POULTON, p. xl, P. ent. Soc. London 1904.

Pheidole sinaitica laticeps subsp. n., MAYR, p. 6, Jägerskiöld exp. No. 9; *P. minutula folicola* subsp. n., FOREL, p. 681, Zool. Jahrb. Syst. xx; *P. ursus* var. n. *gracilinoda*, FOREL, p. 172, Ann. Soc. ent. Belgique xlviii; *P. megacephala* subsp. n. *impressifrons* (*impressiceps*, p. 72, altered p. 110), WASMANN, Notes Leyden Mus. xxv.

P. termitophila, Soudan, FOREL, p. 13, Jägerskiöld exp. No. 13; *P. ceres*, Colorado, WHEELER, p. 10, Bull. Amer. Mus. xx; *P. severini*, Cayenne, FOREL, p. 171, Ann. Soc. ent. Belgique xlviii: **n. spp.**

Plagiolepis brunni var. n. *nilotica*, MAYR, p. 7, Jägerskiöld exp. No. 9.

P. deweti, Natal, FOREL, p. 423, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Podomyrma silvicola var. n. *dimidiata*, FOREL, p. 170, t. c.

Pogonomyrmex occidentalis, œcological note, POPENOE, p. 360, Canad. Ent. xxxvi.

Polyrhachis gracilis alata, worker, FOREL, p. 177, Ann. Soc. ent. Belgique xlviii.

P. menelas, Simla, FOREL, p. 30, Rev. Suisse Zool. iii, **n. sp.**

Ponera eduardi, apterous male, FOREL, p. 421, Ann. Soc. ent. Belgique xlviii.

Prenolepis jægerskioeldi, Cairo, MAYR, p. 8, Jägerskiöld exp. No. 9; *P. trægaordhi*, Soudan, FOREL, p. 14, Jägerskiöld exp. No. 13: **n. spp.**

Procryptocerus hirsutus convexus subsp. n., FOREL, p. 34, Rev. Suisse Zool. xii.

Pseudomyrma, Smith's species irrecognisable, p. 683, *P. dendroica emarginata* var. n. p. 684, *latinoda tachigaliæ* subsp. n. p. 686, *caroli*, *sapii* var. n. p. 688, *sericea* varr. n. *cordiæ* and *longior*, p. 690, FOREL, Zool. Jahrb. Syst. xx; *P. latinoda* var. n. *nigrescens*, *P. arborissanctæ symbiotica*, p. 38, *P. kunckeli* var. n. *dichroa*, p. 41, FOREL, Rev. Suisse Zool. xii; *P. latinoda* var. n. *opacior*, FOREL, p. 170, Ann. Soc. ent. Belgique xlviii.

P. triplaridis, p. 684, *ulei*, p. 689, Amazons, FOREL, Zool. Jahrb. Syst. xx; *P. dendroica*, Amazons, FOREL, p. 40, Rev. Suisse Zool. xii: **n. spp.**

Rhopalothrix procera var. n. *ballioni*, FOREL, p. 175, Ann. Soc. ent. Belgique xlviii.

Sima sahlbergi var. n. *deplanata*, FOREL, p. 375, Annuaire Mus. St. Petersb. viii.

Solenopsis texana catalinæ, subsp. n., WHEELER, p. 269, Bull. Amer. Mus. xx; *S. corticalis amazonensis* subsp. n., FOREL, p. 680, Zool. Jahrb. Syst. xx; *S. corticalis* var. n. *virgula*, *S. geminata pylades* subsp. n., FOREL, p. 172, Ann. Soc. ent. Belgique xlviii; *S. geminata*, ravages in Porto Rico, BARRETT, Bull. Dep. Agric. Jamaica ii, p. 204.

S. moelleri, Blumenau, p. 173, with var. *gracilior*, p. 174, FOREL, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Stenamma barbarus var. n. *persicus*, FOREL, p. 175, t. c. ; *S. patruele bakeri* subsp. n., WHEELER, p. 270, Bull. Amer. Mus. xx.
S. (*Messor*) *bugnioni*, Biskra, FOREL, p. 13, Rev. Suisse Zool. xii, **n. sp.**
Strongylognathus christophi var. n. *rehbinderi*, a slave-making expedition, pp. 2–4, FOREL, t. c.
Strumigenys membranifera var. n. *santschii*, FOREL, p. 6, t. c.
S. ludovici, Madagascar, FOREL, p. 369, Annuaire Mus. St. Petersb. viii, **n. sp.**
Symmyrmica **n. g.** near *Formicoxenus*, p. 3, *S. chamberlini* **n. sp.**, Colorado, p. 5, WHEELER, Bull. Amer. Mus. xx.
Sympheisole **n. g.** p. 7, *S. elecebra* **n. sp.**, Colorado, p. 8, WHEELER, t. c.
Tapinoma erraticum israelis subsp. n., FOREL, p. 16, Rev. Suisse Zool. xii.
T. wroughtonii, N. India, FOREL, p. 26, t. c., *T. antarcticum*, Chile, FOREL, p. 17, t. c. : **n. spp.**
Tetramorium cæspitum var. n. *splendens*, RUZSKY, p. 33, Protok. Kazan Univ. 1902, 1903, No. 6 ; *T. cæspitum* var. n. *biskrensis*, FOREL, p. 13, t. c., *T. cæspitum* var. n. *schmidti*, FOREL, p. 15, t. c. ; *T. cæspitum* var. n. *forte*, FOREL, p. 371, Annuaire Mus. St. Petersb. viii.
T. elizabethæ, Sind, FOREL, p. 20, Rev. Suisse Zool. xii, **n. sp.**
Tomognathus sublævis, habits, WELLENIUS, pp. 70–72, Medd. Soc. Faun. Fenn. 1902/1903.

CHRYSIDÆ.

[Cf. ASHMEAD (44), DU BUYSSON (217), DUCKE (412), GARCIA (585, 586), MOCSÁRY (952), NURSE (986), VIERECK (1447).]
Annotated list and table of genera and species of *Chrysid.* observed at Parà, DUCKE, pp. 13–48, Bull. Soc. ent. ital. xxxvi.

Chrysis succincta varr. n. *ignifacies* and *alicantina*, GARCIA, p. 86, Bol. Soc. espan. iv ; *C. acceptabilis* = (*thalia* Nurse), NURSE, p. 19, J. Bombay Soc. xvi ; *C. chlorochrisa* = (*subcœrulea* Rad. = *hoggei* Nurse), NURSE, p. 21, t. c.
C. (*Tetrachrysis*) *escalerai*, Akbès, p. 87, *C.* (*Hexachrysis*) *dusmeti*, Cairo, p. 88, GARCIA, Bol. Soc. espan. iv ; *C.* (*Holochrysis*) *modesta*, p. 404, *auronitens*, *pleuralis*, p. 405, *C.* (*Tetrachrysis*) *cylindracea*, p. 406, *gazella*, p. 407, *chalcogaster*, p. 408, *eusoma*, p. 409, *cyanops*, p. 410, *callizona*, p. 411, *grata*, p. 412, S. Africa, MOCSÁRY, Ann. Mus. Hungar. ii ; *C. sara*, p. 20, *deposita*, p. 21, *urana*, *reparata*, p. 22, Quetta, NURSE, J. Bombay Soc. xvi ; *C. ceciliæ*, Java, p. 259, *ruppelli*, Abyssinia, *jheringi*, Brazil, p. 260, *tellinii*, *scabiosa*, E. Africa, p. 262, *districta*, W. Africa, p. 263, *goyasensis*, *myops*, p. 264, *ypirangensis*, p. 265, S. America, *alfkenella*, California, p. 266, *kathederi*, Turkey, p. 269, *rubropicta*, Abyssinia, p. 270, *alluaudi*, Madagascar, p. 272, BUYSSON, Rev. Ent. franc. 1904 : **n. spp.**
Chrysogona silvestrii, S. America, DUCKE, p. 32, Bull. Soc. ent. ital. xxxvi, **n. sp.**
Cleptes nigrita, Spain, GARCIA, p. 83, Bol. Soc. espan. iv, **n. sp.**
Cleptidea **n. g.** for *Cleptes aurora*, *mutilloides*, *fasciata*, *xanthomelæna*, MOCSÁRY, p. 567, Ann. Mus. Hungar. ii.
Ellampus hypocrita = (*timidus* Nurse), NURSE, p. 19, J. Bombay Soc. xvi.
Euchrœides **n. g.** *oblatus* **n. sp.**, Quetta, NURSE, p. 23, t. c.
Hedychridium, table of Spanish, *H. minutum* var. n. *melanogaster*, p. 146, GARCIA MERCET, pp. 144–152, Bol. Soc. espan. iv.
H. auriventris, Spain, GARCIA, p. 85, t. c. ; *H. dubium*, Segovia, GARCIA MERCET, p. 147, t. c. ; *H. andreinii*, Erythrea, *moricei*, Zante, DU BUYSSON, p. 256, Rev. Ent. franc. 1904 ; *H. amatum*, p. 19, *rotundum*, p. 20, Deesa, NURSE, J. Bombay Soc. xvi : **n. spp.**

Hedychrum alluaudi, Madagascar, BUYSSON, p. 258, Rev. Ent. franc. 1905 ; *H. stantoni*, Philippines, ASHMEAD, p. 283, Canad. Ent. xxxvi : **n. spp.**
Holopyga gloriosa var. n. *intermedia*, GARCIA, p. 85, Bol. Soc. espan. iv.
H. wagneriella, Argentina, DU BUYSSON, p. 255, Rev. Ent. franc. 1904, **n. sp.**
Notozus violascens=(*kashmirensis* Nurse), NURSE, p. 19, J. Bombay Soc. xvi.
N. decorsei, Centr. Africa, DU BUYSSON, p. 253, Rev. Ent. franc. 1904, **n. sp.**
Parnopes oberthuri, Silvapoora, p. 273, *digueti*, Mexico, p. 274, BUYSSON, Rev. Ent. franc. 1904 ; *P. hageni*, p. 246, *henshawi*, p. 247, *concinna*, *diadema*, p. 248, *tæniata*, *arizonensis*, p. 249, *excurvata*, p. 250, N. America, VIERECK, Tr. Amer. ent. Soc. xxx : **n. spp.**
Spintharis bispinosa ♂, MOSCÁRY, p. 404, Ann. Mus. Hungar. ii.
Stilbum cyanurum, note, TULLGREN, p. 426, Arkiv Zool. i.

HYMENOPTERA PARASITICA.

Guests in Italian galls, *Hymenoptera*, STEGAGNO, Marcellia iii, pp. 27-44, and 51–52.
Parasites, list of, with hosts, JACOBS, p. 308, Ann. Soc. ent. Belgique xlviii.

ICHNEUMONIDÆ.

[Cf. ASHMEAD (43, 45, 47, 48), BERTHOUMIEU (110–113), BRADLEY (164), BUGNION (198, 199), CAMERON (224–226, 230–233, 237, 239, 241), ENDERLEIN (465), FELT (495 A), FYLES (575), KOKUJEV (826–828), KRIEGER (845), ROMAN (1186, 1187), SCHMIEDEKNECHT (1231), STROBL (1350), SZÉPLIGETI (1366), VIERECK (1452).]
The genera of the subfam. *Ichneumoninæ* revised, and their species listed, BERTHOUMIEU, Wytsman Gen. Ins. fasc. xviii.
STROBL concludes his Catalogue of the *Ichneumonidæ* of Styria, 1206 spp. of which 165 are new, Mt. Ver. Steiermark xl, pp. 43–160.
The stalked eggs and oviposition of *Rhyssa*, BUGNION, Bull. Soc. Vaudoise xl, pp. 245–249, pl. xl, and Bull. Soc. ent. France 1904, pp. 80–83, cuts.

Acanthocryptus nigriceps ♀, STROBL, p. 148, Mt. Ver. Steiermark xl.
Aconias **n. g.** *Cryptini*, p. 345, *A. spinitarsis* **n. sp.**, Darjeeling, p. 346, CAMERON, Zeitschr. Hym. Dipt. iv.
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Algathia rufopetiolata, p. 222, *tibialis*, p. 223, *latibalteata*, p. 224, *rufipes*, p. 225, *erythropoda*, p. 226, *varipes*, p. 227, *rothneyi*, p. 228, *robusta*, p. 229, *flavobalteata*, p. 230, *femorata*, p. 231, *cariniscutis*, p. 232, Khasia hills, CAMERON, Ann. Nat. Hist. xiii, **n. spp.**
Allexetastes **subg. n.** cf. *Exetastes*.
Alystria **n. g.** p. 340, *A. curvilineata* **n. sp.**, p. 341, Darjeeling, CAMERON, Zeitschr. Hym. Dipt. iv.
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Amesolytus pictus, N. America, FYLES, p. 207, cut, Canad. Ent. xxxvi, **n. sp.**
Angitia anthrocostoma, p. 85, *laricinella* (=*nana* Ratz. nec Gr.), p. 86, *novakii*, p. 87, Styria, STROBL, Mt. Ver. Steiermark xl, **n. spp.**
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Aniseres subalpinus, Admont, STROBL, p. 138, t. c. **n. sp.**

Anisobas tschitscherini, Transcaucasus, KOKUJEV, p. 199, Rev. Russe Ent. iv, **n. sp.**
Anomalon debile, *varitarsum*, distinguished, p. 173, *A. delarvatum* and *trochanteratum*, p. 174, KRIEGER, Zeitschr. Hym. Dipt. iv.
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Catadelphus dusmeti, Escorial, BERTHOUMIEU, p. 161, Bol. Soc. espan. iv, **n. sp.**
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Mesostenopsis **n. g.**, SCHMIEDEKNECHT, p. 561, Opusc. Ent.

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BRACONIDÆ (incl. ALYSIIDÆ).

[Cf. ASHMEAD (44, 47, 48, 50, 51), BRÈTHES (175, 177), CAMERON (222, 223, 224, 225, 231, 234), ENDERLEIN (456), FROGGATT (562), GIARD (599), HÖPPNER (705), MANTERO (902–904), SZÉPLIGETI (959, 1365–1367).]

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Iphiaulax trægardhi, White Nile, SZÉPLIGETI, p. 10, Jägerskiöld exp. No. 14; *I. capensis*, p. 149, *basimacula*, p. 150, *clanes*, *rubrilineatus*, p. 151, *rubrinervis*, p. 152, *æthiopicus*, p. 153, *odontoscapus*, 12-*fasciatus*, p. 154, Cape Colony, CAMERON, Rec. Albany Mus. i; *I. soleæ*, p. 164, *whitei*, *spilonotus*, p. 165, S. Africa, CAMERON, t. c.; *I. baeri*, Peru, SZÉPLIGETI, p. 337, Bull. Mus. Paris ix; *I. tornowii*, Tucuman, BRÈTHES, p. 334, An. Mus. Buenos Aires xi; *I. transiens*, *rugulosus*, p. 173, *sicuaniensis*, *carpalis*, p. 174, *lævigatus*, *ignavus*, p. 175, *apricans*, *peregrinus*, *sculptilis*, *transversalis*, p. 176, *simillimus*, *dubiosus*, Peru, *mercedesiensis*, Argentina, p. 177, *macellus*, *persimilis*, *costatus*, *longulus*, *elegantulus*, Peru, *boliviensis*, Bolivia, p. 178, *luctuosus*, *braconiformis*, p. 179, *braconius*, *pseudobracon*, *paraguayensis*, *latus*, *aptus*, p. 188, *apricans*, *simplex*, Peru, *macretus*, Brazil, p. 181, *pernix*, *agilis*, p. 182, Peru, SZÉPLIGETI, Ann. Mus. Hungar. ii : **n. spp.**
Ischiogonus philippinensis, Manila, ASHMEAD, p. 285, Canad. Ent. xxxvi, **n. sp.**
Ischnopus **n. g.** *Alysiidæ*, p. 450, *I. bituberculatus* **n. sp.**, Tuscany, p. 451, MARSHALL, Ann. Mus. Genova xli.
Lisitheria **n. g.** *Agathidinæ*, *L. nigricornis* **n. sp.**, India, CAMERON, p. 306, Entomologist 1904.
Macrocentrus philippinensis, Manila, ASHMEAD, p. 145, P. U. S. Mus. xxviii, **n. sp.**
Macrostomion peruvianum, Peru, SZÉPLIGETI, p. 193, Ann. Mus. Hungar. ii, **n. sp.**
Megacentrus **n. g.** p. 145, *concolor* **n. sp.**, Kilimanjaro, p. 146, SZÉPLIGETI, Braconidæ.
Megalommum flavomaculatum, Cape Colony, CAMERON, p. 157, Rec. Albany Mus. i, **n. sp.**

Megaproctus fumipennis, *fuscipennis*, p. 191, Peru, *xanthostigma*, Paraguay, *bifasciatus*, *affinis*, p. 192, *bicolor*, p. 193, Peru, SZÉPLIGETI, Ann. Mus. Hungar. ii, **n. spp.**

Megarhogas **n. g.** p. 83, *longipes*, *minor* **n. spp.**, Celebes, p. 84, SZÉPLIGETI, Braconidæ.

Mesoagathis **n. g.** *M. fuscipennis* **n. sp.**, Grahamstown, CAMERON, p. 172, Rec. Albany Mus. i.

Meteorus bacoorensis, Philippines, ASHMEAD, p. 18, J. N. York Ent. Soc. xii ; *M. eumenidis*, Argentina, BRÈTHES, p. 53, An. Mus. Buenos Aires (3) ii : **n. spp.**

Microcentrus **n. g.** *Dyscoletes similis*, SZÉPLIGETI, p. 155, Braconidæ.

Microdus bipustulatus, Cape Colony, CAMERON, p. 158, Rec. Albany Mus. i, **n. sp.**

Microplitis manilæ, *philippinensis*, Philippines, ASHMEAD, p. 20, J. N. York Ent. Soc. xii, **n. spp.**

Monarea **n. g.** *Osmophila fasciipennis*, SZÉPLIGETI, p. 68, Braconidæ.

Monolexia manilensis, Philippines, ASHMEAD, p. 20, J. N. York Ent. Soc. xii, **n. sp.**

Neorhyssa partiti, p. 187, *ruficeps*, p. 188, Brazil, SZÉPLIGETI, Ann. Mus. Hungar. ii, **n. spp.**

Opius pedestris, Peru, SZÉPLIGETI, p. 196, t. c. ; *O. philippinensis*, Manila, ASHMEAD, p. 148, P. U. S. Mus. xxviii : **n. spp.**

Phænocarpa (*Idiolexis*) *coxalis*, Peru, SZÉPLIGETI, p. 197, Ann. Mus. Hungar. ii, **n. sp.**

Phanerotoma philippinensis, Bacoor, ASHMEAD, p. 19, J. N. York Ent. Soc. xii, **n. sp.**

Pseudobracon **n. g.** p. 48, *africanus* **n. sp.**, Sierra Leone, p. 49, SZÉPLIGETI, Braconidæ.

Rhogas ruspolii, p. 413, *citernii*, p. 414, *scioensis*, p. 415, E. Africa, MANTERO, Ann. Mus. Genova xli ; *R. fuscipennis*, *affinis*, Peru, SZÉPLIGETI, p. 194, Ann. Mus. Hungar. ii : **n. spp.**

Schlettereriella **n. g.** *Stenophasmus oncophorus* Sch., SZÉPLIGETI, p. 54, Braconidæ.

Schonlandella **n. g.** p. 169, position doubtful, *S. nigromaculata*, p. 170, *trimaculata*, *nigricollis*, p. 171, **n. spp.**, S. Africa, CAMERON, Rec. Albany Mus. i.

Spathius philippinensis, Manila, ASHMEAD, p. 148, P. U. S. Mus. xxviii, **n. sp.**

Stantonia **n. g.** *Microdini*, p. 146, *S. flava* **n. sp.**, Manila, p. 147, ASHMEAD, t. c.

Trichiobracon rufus, p. 168, *maculifrons*, p. 169, S. Africa, CAMERON, Rec. Albany Mus. i, **n. spp.**

Urogaster philippinensis, p. 19, *stantoni*, p. 20, Philippines, ASHMEAD, p. 20, J. N. York Ent. Soc. xii, **n. spp.**

Vipio (*Pseudovipio*) *turcomanicus*, Transcaspian, p. 213, *xanthostigma*, W. Siberia, p. 214, KOKUJEV, Rev. Russe ent. iv, **n. spp.**

Westwoodiella **n. g.** *bicolor* **n. sp.**, W. Australia, SZÉPLIGETI, p. 155, Braconidæ.

Xanthomicrodus **n. g.** near *Crassomicrodus*, p. 157, *X. iridipennis* **n. sp.**, Cape Colony, p. 158, CAMERON, Rec. Albany Mus. i.

EVANIIDÆ.

[Cf. ASHMEAD (47), CAMERON (224, 240), HÖPPNER (705), KIEFFER (793).]

Aulacinus costulatus, Brazil, KIEFFER, p. 561, Arkiv Zool. i, **n. sp.**

Aulacus erythrogaster, Nevada, KIEFFER, p. 561, t. c. **n. sp.**

Evania striatifrons, *versicolor*, p. 543, with var. *erythrogaster*, p. 544,

quinquelineata, p. 544, *villosicrus*, Australia, *ferruginea*, Mexico, p. 545, *multicolor*, Java, p. 546, *levigena*, Caffraria, p. 547, *longitarsis*, p. 548, *brevigena*, p. 549, Brazil, *incerta*, S. France, p. 550, KIEFFER, t. c.; *E. annulipes*, Manila, ASHMEAD, p. 139, P. U. S. Mus. xxviii : **n. spp.**

Gasteruption kriechbaumeri var. n. *striaticeps*, KIEFFER, p. 551, Arkiv Zool. i; *G. assectator*, natural history, HÖPPNER, pp. 97–103, Allg. Zeitschr. Ent. ix.

G. cultrigerum, p. 552, *sanguineum*, *sjostedti*, p. 553, Cape Good Hope, *lativalva*, Australia, p. 554, *fulvivagina*, Caffraria, p. 555, *micrura* with var. *nigripectus*, *intricatum*, N. America, p. 556, *trifossulatum*, Egypt, p. 557, *leucopus*, Java, *nigromaculatum*, hab.?, p. 558, KIEFFER, Arkiv Zool. i; *G. dunbrodyense*, Cape Colony, CAMERON, p. 159, Rec. Albany Mus. i, **n. spp.**

Hyptia argenteiceps, hab.?, p. 540, *brevicalcar*, Wisconsin, p. 541, *rufosignata*, Buenos Ayres, p. 543, KIEFFER, Arkiv Zool. i, **n. spp.**

Pristaulacus flavoguttatus, Australia, CAMERON, p. 191, Zeitschr. Hym. Dipt. iv; *P. flavipes*, Illinois, p. 559, *muticus*, hab.?, p. 560, KIEFFER, Arkiv Zool. i : **n. spp.**

STEPHANIDÆ.

Megischus ruficeps, Saïgon, pl. xii, fig. 5, p. 201, *borneensis*, Borneo, p. 202, SAUSSURE, Mission Pavie iii, **n. spp.**

CHALCIDIDÆ.

[Cf. ASHMEAD (41, 46, 47, 48, 52, 53), CAMERON (223, 230), EMBLETON (450), FYLES (574), HÖPPNER (705), KIEFFER (796), MARCHAL (906, 907), MAYR (928), VASSILIEV (1433).]

ASHMEAD classifies the *Chalcidioidea*, adopting 14 families, tabulating the genera; he also catalogues the S. American forms and describes many new: Mem. Carnegie Mus. i, No. 4, pp. 225–551. For brevity, and as the work will be chiefly used separately, we have cited it below as ASHMEAD, Chalcid.

Bibliography of genera of *Chalcididæ*, ASHMEAD, pp. 365–393, Chalcid.

Anatomy and metamorphosis of *Comys infelix*, eggs, EMBLETON, Tr. Linn. Soc. London (2) ix, pp. 231–254, pls. xi, xii.

Remarkable development of *Ageniaspis fuscicollis*, MARCHAL, Arch. Zool. exp. xxxii, pp. 259–299.

Acanthometopon **n. g.** type *A. clavicornis* Ashm., ASHMEAD, Chalcid. p. 314, *A. clavicorne*, Brazil, pl. xxxviii, fig. 3, p. 498, id. **n. sp.**

Acroclisis coccidivora, Japan, ASHMEAD, p. 158, J. N. York Ent. Soc. xii, **n. sp.**

Acroclisis brasiliensis, Chapada, ASHMEAD, Chalcid. p. 502, **n. sp.**

Allochalcis **n. g.** p. 256, *A. nervosa* **n. sp.**, Madagascar, p. 257, KIEFFER, Berlin. ent. Zeitschr. xlix.

Alloderma **n. g.** type *A. maculipennis*, Ashm., ASHMEAD, Chalcid. p. 273.

Alophomyia **n. n.** for *Alophus* Ashm., ASHMEAD, p. 126, P. ent. Soc. Washington vi.

Alophus **n. g.** type *A. flavus* Ashm., ASHMEAD, Chalcid. p. 353, *A. brasiliensis*, Brazil, p. 520, id. **n. sp.**

Ametallon **n. g.** type *A. chapadæ* Ashm., ASHMEAD, Chalcid. p. 344, *A. chapadæ*, Brazil, p. 511, id. **n. sp.**

Anacryptus japonicus, p. 147, *koebelei*, p. 148, Japan, ASHMEAD, J. N. York Ent. Soc. xii, **n. sp.**

Anastatus japonicus, *gastropachæ*, p. 153, *brevipennis*, *albitarsis*, p. 154,

Japan, ASHMEAD, J. N. York Ent. Soc. xii, *A. stantoni*, Philippines, ASHMEAD, p. 14, t. c.; *A. auriceps*, p. 493, *coreophagus*, *pleuralis*, *basalis*, *punctiventris*, p. 494, *unifasciatus*, p. 495, Brazil, ASHMEAD, Chalcid. : **n. spp.**

Anthrocephalus punctatus, Madagascar, p. 253, *rufipes*, Nossi-Bé, p. 254, KIEFFER, Berlin. ent. Zeitschr. xlix, **n. spp.**

Aphelinus japonicus, Atami, ASHMEAD, p. 161, J. N. York Ent. Soc. xii, **n. sp.**

Aphidencyrtus pallidipes, Philippines, ASHMEAD, p. 15, t. c.; *A. brasiliensis*, Chapada, ASHMEAD, Chalcid. p. 497 : **n. spp.**

Aphobetoideus **n. g.** type *A. comperei* Ashm., ASHMEAD, Chalcid. p. 328.

Aphycus albopleuralis, Japan, ASHMEAD, p. 155, J. N. York Ent. Soc. xii, **n. sp.**

Apocryptophagus **n. g.** type *Chalcis explorator* Coq., ASHMEAD, Chalcid. p. 238.

Ardalus howardii, Brazil, ASHMEAD, Chalcid. p. 517, **n. sp.**

Arretocera stantoni, Manila, ASHMEAD, p. 136, P. U. S. Mus. xxviii, **n. sp.**

Asecodes elasmi, Manila, ASHMEAD, p. 138, t. c. **n. sp.**

Aspidiotiphagus aleyrodis, Manila, ASHMEAD, p. 139, t. c. **n. sp.**

Axima koebelei, *brasiliensis*, *brevicornis*, Brazil, ASHMEAD, Chalcid. p. 459, **n. spp.**

Aximogastra **n. g.** type *A. bahiæ* Ashm., ASHMEAD, Chalcid. p. 261, *A. bahiæ*, Brazil, p. 463, pl. xxxiii, fig. 5, id. **n. sp.**

Aximopsis **n. g.**, ASHMEAD, Chalcid. p. 259, *A. morio*, pl. xxxii, fig. 6, p. 460, Brazil, ASHMEAD, t. c. **n. sp.**

Bephrata striatipes, Brazil, p. 462, pl. xxxiii, fig. 4, ASHMEAD, t. c. **n. sp.**

Blatticida **n. g.** type *B. pulchra* Ashm., ASHMEAD, t. c. p. 305.

Bothriothorax brasiliensis, Chapada, ASHMEAD, t. c. p. 496, **n. sp.**

Brachista Walk. not valid, MAYR, p. 591, Verh. Ges. Wien liv.

Brachycaudonia **n. g.** type *B. californica* Ashm., ASHMEAD, Chalcid. p. 283.

Brachystira pungens (Förster), Germany, MAYR, p. 590, Verh. Ges. Wien liv, **n. sp.**

Brasema fuscipennis, Brazil, ASHMEAD, Chalcid. p. 486, **n. sp.**

Bruchobius **n. g.** type *B. laticeps* Ashm., ASHMEAD, t. c. p. 314.

Bruchophagus funebris, natural history, TITUS, pp. 77–83, Bull. U. S. Dep. Agric. Ent. xliv.

Callismicra **n. g.** p. 247, *C. flavocincta* **n. sp.**, Madagascar, p. 248, KIEFFER, Berlin. ent. Zeitschr. xlix.

Calosoter albitarsis, Japan, ASHMEAD, p. 153, J. N. York Ent. Soc. xii, **n. sp.**

Cecidoxenus **n. g.** type *C. nigrocyaneus* Ashm., ASHMEAD, Chalcid. p. 274.

Cerapteroceroides **n. g.** near *Cerapterocerus*, *C. japonicus* **n. sp.**, Atami, ASHMEAD, p. 156, J. N. York Ent. Soc. xii.

Ceratosmicra **n. g.** type *C. petiolata* Ashm., ASHMEAD, Chalcid. p. 251.

Chalcedectes annulipes, Brazil, pl. xxxvi, fig. 2, p. 483, ASHMEAD, t. c. **n. sp.**

Chalcis flavitarsis, Madagascar, *tenuicornis*, Nossi-Bé, p. 260, *multicolor*, Madagascar, p. 261, *saussurei*, *rufiventris*, Nossi-Bé, p. 262, *ferox*, p. 263, Nossi-Bé and Bourbon, with var. *coxalis*, p. 264, KIEFFER, Berlin. ent. Zeitschr. xlix; *C. prodeniæ*, Manila, ASHMEAD, p. 136, P. U. S. Mus. xxviii; *C. albotibialis*, *argentifrons*, Philippines, ASHMEAD, J. N. York Ent. Soc. xii : **n. spp.**

Cheiloneurus japonicus, Gifu, ASHMEAD, p. 156, J. N. York Ent. Soc. xii, **n. sp.**

Chryseida æneiventris, Brazil, p. 462, pl. xxxiii, fig. 3, ASHMEAD, Chalcid. **n. sp.**

Chrysoatomus **n. g.** type *C. zealandicus* Ashm., ASHMEAD, t. c. p. 342.

Chrysonotomyia **n. g.** type *Eulophus auropunctatus* Ashm., ASHMEAD, t. c. p. 344.

Cirrospiloideus **n. g.** type *Miotropis platynotæ* How., ASHMEAD, t. c. p. 354.
Closterocerus brownii, Manila, ASHMEAD, p. 138, P. U. S. Mus. xxviii, **n. sp.**
Coccidencyrtus manilæ, Philippines, ASHMEAD, p. 14, J. N. York Ent. Soc. xii, **n. sp.**
Cœlochalcis **n. g.** near *Halticella*, *C. carinifrons* **n. sp.**, Sikkim, p. 111, CAMERON, Entomologist 1904.
Copidosoma japonicum, Gifu, ASHMEAD, p. 154, J. N. York Ent. Soc. xii, **n. sp.**
Cryptoprymnus japonicus, Japan, ASHMEAD, p. 159, t. c. **n. sp.**
Decatoma atamiensis, Japan, ASHMEAD, p. 151, t. c. **n. sp.**
Decatomothorax **n. g.** type *D. gallicola* Ashm., ASHMEAD, Chalcid. p. 273.
Derostenus bifoveolatus, *nawai*, p. 160, *mitsukurii*, p. 161, Japan, ASHMEAD, J. N. York Ent. Soc. xii, **n. spp.**
Diaulomorpha **n. g.** type *D. australiensis* Ashm., ASHMEAD, Chalcid. p. 356.
Diaulus **n. g.** type *D. begini* Ashm., ASHMEAD, t. c. p. 356.
Dicœlothorax platycerus, Santarem, pl. xxxv, fig. 3, p. 470, ASHMEAD, t. c. **n. sp.**
Diglyphomorpha **n. g.** type *Diglyphus maculipennis* Ashm., ASHMEAD, t. c. p. 352.
Dimmockia **n. g.** type *Eulophus incongruus* Ashm., ASHMEAD, t. c. p. 357.
Eisenia **n. g.** type *E. mexicana* Ashm., ASHMEAD, t. c. p. 233.
E. flaviscapa, Parà, ASHMEAD, t. c. p. 394, **n. sp.**
Elachertomorpha **n. g.** type *E. flaviceps* Ashm., ASHMEAD, t. c. p. 352.
E. flaviceps, Brazil, p. 518, ASHMEAD, t. c. **n. sp.**
Elachertus atamiensis, *basilaris*, Japan, ASHMEAD, p. 164, J. N. York Ent. Soc. xii, **n. spp.**
Elasmus atamiensis, *hakonensis*, p. 159, *japonicus*, p. 160, Japan, ASHMEAD, t. c.; *E. philippinensis*, Manila, ASHMEAD, p. 138, P. U. S. Mus. xxviii; *E. brasiliensis*, p. 502, *peraffinis*, *chapadæ*, p. 503, Brazil, ASHMEAD, Chalcid. : **n. spp.**
Encyrtaspis **n. g.** type *E. brasiliensis* Ashm., ASHMEAD, Chalcid. p. 290, *E. braziliensis*, Pernambuco, pl. xxxvii, fig. 4, p. 492, id. **n. sp.**
Encyrtus telenomicida, Charkov, on *Telenomus*, VASSILIEV, p. 117, Rev. Russe Ent. iv, **n. sp.**
Enneasmicra **n. g.** type *Smicra exinamius* Walk., ASHMEAD, Chalcid. p. 252, *E. incerta*, Brazil, ASHMEAD, p. 449, t. c. **n. sp.**
Epipteromalus **n. g.** type *E. algonquinensis* Ashm., ASHMEAD, t. c. p. 319.
Eufroggattia **n. n.** for *Froggattia* Ashm., ASHMEAD, p. 126, P. ent. Soc. Washington vi.
Eukoebelea **n. n.** for *Kœbelea* Ashm., ASHMEAD, p. 126, t. c.
Eulophopteryx **n. g.** type *E. chapadæ* Ashm., ASHMEAD, Chalcid. p. 341, *E. chapadæ*, Brazil, pl. xxxviii, fig. 6, p. 506, id. **n. sp.**
Eulophus exiguus Nees to *Asynacta*, MAYR, p. 589, Verh. Ges. Wien liv.
E. albitarsis, p. 164, *striatipes*, *japonicus*, p. 165, Japan, ASHMEAD, J. N. York Ent. Soc. xii, **n. spp.**
Euophthalmomyia **n. g.** type *E. pallidipes* Ashm., ASHMEAD, Chalcid. p. 339.
Eupelmus formosæ, Formosa, ASHMEAD, p. 154, J. N. York Ent. Soc. xii; *E. koebelei*, *acaudus*, *proximus*, p. 488, *compressiventris*, *aprilis*, *chapadæ*, *santaremensis*, *persimilis*, p. 489, *corumbæ*, *unifasciatus*, *simillimus*, *magniclavatus*, p. 490, Brazil, ASHMEAD, Chalcid. : **n. spp.**
Euplectrus manilæ, *philippinensis*, Philippines, ASHMEAD, p. 16, J. N. York Ent. Soc. xii, *E. japonicus*, *nigromaculatus*, Japan, ASHMEAD, p. 163, t. c.; *E. brasiliensis*, p. 516, *corumbæ*, *solitarius*, *chapadæ*, p. 517, Brazil, ASHMEAD, Chalcid. : **n. spp.**
Euryophrys Först. = (*Calypso* Hal.), ASHMEAD, p. 126, P. ent. Soc. Washington vi.

Eurytoma rubicola, natural history, HÖPPNER, pp. 161–171, Allg. Zeitschr. Ent. ix.

E. infracta, Dalmatia, p. 580, *timaspidis*, Montpellier, p. 582, MAYR, Verh. Ges. Wien liv; *E. nikkoensis*, *atamiensis*, p. 149, *japonica*, *binotata*, *hakonensis*, *mitsukurii*, p. 150, Japan, ASHMEAD, J. N. York Ent. Soc. xii, *E. manilensis*, Philippines, ASHMEAD, p. 13, t. c. : **n. spp.**

Eusayia **n. n.** for *Sayiella* Ashm., ASHMEAD, p. 126, P. ent. Soc. Washington vi.

Eustypiura **n. g.** type *E. bicolor* Ashm., ASHMEAD, Chalcid. p. 251, *E. bicolor*, pl. xxxi, fig. 4, *sexmaculata*, fig. 5, p. 412, *smithii*, p. 413, Brazil, ASHMEAD, t. c. **n. spp.**

Exoristobia **n. g.** *Encyrtidæ*, *E. philippinensis* **n. sp.**, Manila, ASHMEAD, p. 15, J. N. York Ent. Soc. xii.

Froggattia **n. g.** type *F. polita* Ashm., ASHMEAD, Chalcid. p. 238.

Haltichella ludlowæ, Philippines, ASHMEAD, p. 13, J. N. York Ent. Soc. xii, **n. sp.**

Halticoptera laticeps, Japan, ASHMEAD, p. 152, t. c. **n. sp.**

Hemitorymus **n. g.** type *H. thoracicus* Ashm., ASHMEAD, Chalcid. p. 243; *H. thoracicus*, Chapada, p. 401, id. t. c. **n. sp.**

Heptasmicra **n. g.** type *Smicra obliterata* Walk., ASHMEAD, Chalcid. p. 252; *H. persimilis*, *affinis*, *longicaudata*, *lineaticoxus*, p. 452, *quadrimaculata*, p. 453, Brazil, id. t. c. **n. spp.**

Herbertia howardi, pl. xxxv, fig. 6, *brasiliensis*, Brazil, p. 474, ASHMEAD, Chalcid. **n. spp.**

Hexasmicra **n. g.** type *Smicra transversa* Walk., ASHMEAD, Chalcid. p. 252; *H. trinidadensis*, *brasiliensis*, Brazil, id. p. 454, t. c. **n. spp.**

Holcopeltoideus **n. g.** type *H. petiolata* Ashm., ASHMEAD, Chalcid. p. 341.

Holochalcis **n. g.** *H. madagascariensis*, p. 258, Madagascar, *albipes*, p. 259, Nossi-Bé, **n. spp.**, KIEFFER, Berlin. ent. Zeitschr. xlix.

Homoporus japonicus, Atami, ASHMEAD, p. 157, J. N. York Ent. Soc. xii, **n. sp.**

Hontalia cameroni, pl. xxxii, fig. 4, *kirbyi*, fig. 5, Santarem, ASHMEAD, Chalcid. p. 458, **n. spp.**

Hoplocrepis bifasciata, pl. xxxviii, fig. 5, *brasiliensis*, Brazil, p. 505, ASHMEAD, t. c. **n. spp.**

Horismenus bisulcus, *brasiliensis*, p. 507, *corumbæ*, *persimilis*, *æneicollis*, p. 508, Brazil, ASHMEAD, t. c. **n. spp.**

Hubbardiella **n. g.** type *H. arizonensis* Ashm., ASHMEAD, Chalcid. p. 339.

Hydrorhoa **n. g.** *Eucharinæ*, p. 240, *H. striaticeps* **n. sp.**, Madagascar, p. 241, KIEFFER, Berlin. ent. Zeitschr. xlix.

Hypopteromalus **n. g.** type *P. tabacum* Fitch, ASHMEAD, Chalcid. p. 320.

Ischnopsis thoracica, *cyanea*, Brazil, ASHMEAD, t. c. p. 487, **n. sp.**

Isosomodes brasiliensis, pl. xxxiii, fig. 1, p. 460, *nigriceps*, p. 461, fig. 2, Santarem, ASHMEAD, t. c. **n. spp.**

Kapala furcata, ♀ described, KIEFFER, p. 243, Berlin. ent. Zeitschr. xlix.

K. splendens, Brazil, pl. xxxv, fig. 4, p. 473, ASHMEAD, Chalcid. **n. sp.**

Koebelea **n. g.** type *K. australiensis* Ashm., ASHMEAD, t. c. p. 238. [Cf. *Eukoebelea* below.]

Kradibia brownii, Philippines, ASHMEAD, p. 342, Ent. News Philad. xv, **n. sp.**

Lasiokapala serrata, Brazil, pl. xxxv, fig. 5, p. 474, ASHMEAD, Chalcid. **n. sp.**

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PROCTOTRYPIDÆ (incl. BETHYLIDÆ).

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M. tirikensis, Victoria Nyanza, pl. 1, fig. 9, p. 341, NEAVE, Nov. Zool. xi; *M. beethoveni*, p. 70, *schumanni*, p. 71, Africa, SUFFERT, Deutsche ent. Zeitschr. Iris xvii; *M. ertli*, Victoria Nyanza, SUFFERT, p. 127, pl. iii, fig. 6, t. c. : **n. spp.**

Nepheronia valeria kangeana subsp. n., FRUHSTORFER, p. 347, Stettin Ent. Zeit. lxv.

Pieris, African subspp. n., SUFFERT, pp. 80–83, Deutsche ent. Zeitschr. Iris xvii; *P. dentigera ratidengi* subsp. n., SUFFERT, p. 128, Deutsche ent. Zeitschr. Iris xvii; *P. rapæ* ab. n. *carruccii*, ROSTAGNO, p. 123, Boll. Soc. zool. Ital. xii; *P. rapæ* ab. n. *longomaculata*, ROSTAGNO, p. 168, op. cit. xiii; *P. napi* var. *intermedia*, JACHONTOV, pp. 15–18, Rev. Russe Ent. iv; *P. napi* ab. n. *heptapotamica*, KRULIKOVSKY, p. 90, t. c.; *P. brassicæ*, migration southern, in 1903, VERITY, pp. 5, 6, Bull. Soc. ent. Ital. xxxvi; *P. brassicæ*, measurements of wings, AUEL (56).

P. leachii, Ladak, MOORE, p. 150, Lep. ind. vi; *P. glucki*, *abti*, p. 77, *kuckeni*, p. 78, *wagneri*, *lortzingi*, p. 79, Africa, SUFFERT, Deutsche ent. Zeitschr. Iris xvii : **n. spp.**

Pinacopteryx dixeyi, Victoria Nyanza, pl. i, fig. 10, p. 341, NEAVE, Nov. Zool. xi, **n. sp.**

Saletara panda engania subsp. n., FRUHSTORFER, p. 347, Stettin Ent. Zeit. lxv.

Tachyris ada bandana subsp. n., FRUHSTORFER, p. 197, Ins. Börse 1902; *T. weiskei*, cf. *Delias*.

T. cerussa, Queensland, FRUHSTORFER, p. 157, Ins. Börse 1904, **n. sp.**

Teracolus, African subspp. n., SUFFERT, pp. 128, 129, Deutsche ent. Zeitschr. Iris xvii; *T. bacchus hydrophobus*, *T. ione aurivillii*, subspp. n., SUFFERT, p. 85, t. c.; *T. phlegyas* var., AURIVILLIUS, p. 5, Jägerskiöld exp. No. 8; *T. nouna*, food-plant, WALSINGHAM, p. 99, Ent. Mag. xl.

T. flotowi, p. 83, *schuberti*, p. 84, Africa, SUFFERT, Deutsche ent. Zeitschr. Iris xvii; *T. luderitzi*, p. 129, pl. iii, fig. 8, *wissmanni*, p. 130, pl. iii, fig. 9, E. Africa, SUFFERT, t. c.; *T. xantholeuca*, Africa equat., SHARPE, p. 133, Entomologist 1904 : **n. spp.**

DANAIDÆ and ITHOMIIDÆ.

[Cf. FRUHSTORFER (567, 570), KAYE (775), LOWE (887), NEAVE (977), SHELFORD (1289), SUFFERT (1353), SWINHOE (1364), THIEME (1381).]

Catalogue of *Danaina*, LOWE (887).

Subfam. *Lycoreanæ*, KAYE, p. 162, Tr. ent. Soc. London 1904.

Numerous subspp. n. from Malay Archipelago, FRUHSTORFER, pp. 291–304, Ent. Meddel. ii.

Amauris tartarea reata subsp. n., SUFFERT, p. 13, Deutsche ent. Zeitschr. Iris xvii.

A. dira, Victoria Nyanza, pl. i, fig. 1, p. 324, NEAVE, Nov. Zool. xi; *A. mozarti*, Cameroons, SUFFERT, p. 12, Deutsche ent. Zeitschr. Iris xvii : **n. spp.**

Betanga moluccana, Obi, SWINHOE, p. 417, Ann. Nat. Hist. xiv, **n. sp.**

Calliplœa kuhniana subsp. n., FRUHSTORFER, p. 157, Ins. Börse 1904; *C.*, subspp. n., FRUHSTORFER, pp. 26, 28, 36, 61, 67, 68, 73, Soc. ent. xix.

C. phokion, New Guinea, id. p. 28, *liza*, Dammer isld., *menamoides*, Babber, p. 67, id. t. c. **n. spp.**

Euplœa phænareta n. subspp., FRUHSTORFER, p. 303, Deutsche ent. Zeitschr. Iris xvi; *E. moorei thiemei* subsp. n., FRUHSTORFER, p. 166, Berlin. ent. Zeitschr. xlix; *E. crameri lanista* subsp. n., id. t. c. p. 168; *E. dufresnei nica* subsp. n., FRUHSTORFER, p. 180, Berlin. ent. Zeitschr. xlix; *E. compta adorabilis* subsp. n., FRUHSTORFER, p. 309, Ins. Börse 1904; *E. spiculifera praxithea* subsp. n., p. 73, *E. compta virudha* subsp. n., p. 74, FRUHSTORFER, Soc. ent. xix; *E. climena valeriana* subsp. n., FRUHSTORFER, p. 157, Ins. Börse 1904; *E. deheeri* subspp. n., FRUHSTORFER, pp. 29, 36, Soc. ent. xix; *E. amymome, godarti*, one species, POULTON, p. lxxxvi, P. ent. Soc. London 1904; *E.*, Bugong error, DIXEY, pp. ix–xiii, Tr. ent. Soc. London 1904.

E. radica, Obi, FRUHSTORFER, p. 301, Ent. Meddel. ii, **n. sp.**

Heterosais ocalea, egg and larva, GUPPY, p. 225, Tr. ent. Soc. London 1904.

Leucothyris phenomoe subsp. n. *burchelli*, pl. vi, figg. 1, 2, SANDERS, p. 315, Ann. Nat. Hist. xiii.

Lycorea ceres, ovum and larva, GUPPY, p. 225, Tr. ent. Soc. London 1904.

Mechanitis vilcanota, Peru, RÖBER, p. 105, Soc. ent. xix, **n. sp.**

Nectaria, subspp. n., FRUHSTORFER (566); *N., idea*, n. subspp., FRUHSTORFER, p. 205, Ins. Börse 1904.

Penoa kheili ♀, THIEME, p. 163, Berlin. ent. Zeitschr. xlix.

Salpinx assimilata bandana subsp. n., FRUHSTORFER, p. 36, Soc. ent. xix.

Stictoplœa dufresnei nica subsp. n., FRUHSTORFER, p. 344, Stettin Ent. Zeit. lxv.

S. convallaria, Nias isld., THIEME, p. 163, Berlin. ent. Zeitschr. xlix, **n. sp.**

Tithorea megara, early stages, GUPPY, p. 225, pl. xviii, fig. 3, Tr. ent. Soc. London 1904.

Tronga and *Menama*, the subspecies, FRUHSTORFER, pp. 167, 168, Berlin. ent. Zeitschr. xlix.

ACRÆIDÆ and HELICONIIDÆ.

[Cf. AURIVILLIUS (61), BETHUNE-BAKER (117), NEAVE (977), SHARPE (1286, 1287), SUFFERT (1353, 1354), TRIMEN (1394).]

Acræa, many African subspp. n. described, pp. 18–34, SUFFERT, Deutsche ent. Zeitschr. Iris xvii; *A. doubledayi equatorialis* subsp. n., p. 327, *oreas albimaculata* nov. f., p. 329, NEAVE, Nov. Zool. xi; *A. rahira* and varr., pl. xix, fig. 1, p. 231, TRIMEN, Tr. ent. Soc. London 1904.

A. cinerea, pl. i, fig. 16, p. 325, *wigginsi*, fig. 3, p. 326, *mystica, clarei*, fig. 4, p. 327, *byatti*, fig. 17, p. 328, Victoria Nyanza, NEAVE, Nov. Zool. xi; *A. leucopyga*, p. 92, *mairessei*, p. 93, *ertli*, p. 94, Africa, AURIVILLIUS, Ent. Tidskr. xxv, with cuts; *A. diogenes*, p. 14, *brahmsi*, p. 15, pl. iii, fig. 4, *liszti*, p. 17, Africa, SUFFERT, Deutsche ent. Zeitschr. xvii; *A. rohlfsi*, E. Africa, SUFFERT, p. 124, pl. iii, fig. 5, Deutsche ent. Zeitschr. Iris xvii; *A. catori*, Sierra Leone, BETHUNE-BAKER, p. 223, Ann. Nat. Hist. xiv; *A. harrisoni*, Nyangori, SHARPE, p. 132, Entomologist 1904; *A. melanosticta*, Toro, SHARPE, p. 181, Entomologist 1904: **n. spp.**

Planema, numerous subspp. n., SUFFERT, pp. 34–39, Deutsche ent. Zeitschr. Iris xvii.

P. haydni, Usambara, id. p. 34, t. c. **n. sp.**

NYMPHALIDÆ.

[Cf. ALPHÉRAKY (25), AURIVILLIUS (61), BETHUNE-BAKER (117), DANNATT (351), DYAR (422), FAWCETT (492), FIELD (499, 500), FLETCHER (515, 516), FRUHSTORFER (567), LATHY (860), LEIGH (871), NEAVE (977),

C. OBERTHÜR (987), ROTHSCHILD (1194, 1197), SHARPE (1286, 1287), SHELFORD (1289), SUFFERT (1353, 1354, 1355a), SWINHOE (1364), THIEME (1379).]

Acca obiana, Obi, SWINHOE, p. 418, Ann. Nat. Hist. xiv, **n. sp.**
Antanartia amauroptera, Toro, SHARPE, p. 181, Entomologist 1904, **n. sp.**
Apatura ilia varr. n., SCHULTZ, pp. 129–134, Abh. Ges. Gorlitz xxiv.
Apaturina erminea xanthocera subsp. n., ROTHSCHILD, p. 452, Nov. Zool. xi; *A. erminia erinna*, p. 329, figg. 3, 4, *erminia octavia*, fig. 5, other subspp. n. pp. 328–332, FRUHSTORFER, Ent. Meddel. ii.
Argynnis pales subspp. n., FRUHSTORFER, p. 306, Deutsche ent. Zeitschr. Iris xvi; *A. paphia*, melanic ♀, OBERTHÜR, p. 175, Bull. Soc. ent. France 1904; *A. pandora* ab. n. *fulva*, COSMOVICI, p. 162, Bull. Soc. ent. France 1904; *A. adippe norwegica*, SCHULTZ, p. 137, Abh. Ges. Gorlitz xxiv; *A. paphia valesina*, localisation of, REBEL, p. 119, Verh. Ges. Wien liv.
A. claudia, Khamba Jong, pl. ix, fig. 3, p. 136, FAWCETT, P. Z. S. 1904, ii, **n. spp.**
Atella alcippe subspp. n., FRUHSTORFER, pp. 308–312, Ent. Meddel. ii; *A. alcippe enganica* subsp. n., pl. ii, fig. 1, p. 192, FRUHSTORFER, Berlin. ent. Zeitschr. xlix.
Basilarchia proserpina, ? varr. or hybrids, the allies, FIELD, Psyche xi, pp. 1–6, pls. i–iii.
Brenthis thore, egg and young larva, CHAPMAN, pp. 236–238, pls. ix, x, Ent. Rec. xvi, TRAVIS, t. c. p. 239.
B. andersoni, Brit. Columbia, DYAR, p. 39, J. N. York Ent. Soc. xii, **n. sp.**
Catagramma audofleda (=*felderi* var. Hew.), Peru, THIEME, p. 159, Berlin. ent. Zeitschr. xlix, **n. sp.**
Charaxes, African subspp. n., SUFFERT, pp. 122, 123, Deutsche ent. Zeitschr. Iris xvii; *C. eudoxus mechowi* ♂, NEAVE, p. 334, Nov. Zool. xi; *C. polyxena enganicus* subsp. n., pl. i, fig. 4, p. 194, FRUHSTORFER, Berlin. ent. Zeitschr. xlix; *C. polyxena enganicus* subsp. n., FRUHSTORFER, p. 341, Stettin Ent. Zeit. lxv; *C. jasius*, larva, no. of moults, imperfect ecdysis, CHRÉTIEN, p. 108, Bull. Soc. ent. France 1904, GIARD, t. c. p. 117; *C. jasius*, food, GIARD, p. 178, t. c.; *C. jasius*, seasonal dimorphism, larva, GIARD, p. 44, t. c.
C. harrisoni, Africa equat., SHARPE, p. 133, Entomologist 1904, **n. sp.**
Chloripp e godmani, Venezuela, DANNATT, p. 173, pl. vii, fig. 1, Entomologist 1904, **n. sp.**
Cirrochroa malaya n. subspp., FRUHSTORFER, p. 157, Ins. Börse 1904; *C. regina princesa* subsp. n., FRUHSTORFER, p. 75, Soc. ent. xix.
Cupha lampetia lampetina subsp. n., p. 316, fig. 2, other subspp. n., pp. 316–318, FRUHSTORFER, Ent. Meddel. ii; *C. erymanthis dohertyi* subsp. n., FRUHSTORFER, p. 191, Berlin. ent. Zeitschr. xlix; *C. erymanthis dohertyi* subsp. n., FRUHSTORFER, p. 343, Stettin Ent. Zeit. lxv.
Cymothoe theobene nebetheo subsp. n., SUFFERT, p. 115, Deutsche ent. Zeitschr. Iris xvii.
C. congoensis, p. 115, *alexander*, p. 117, *weymeri*, p. 119, Africa, SUFFERT, t. c. **n. spp.**
Cynthia asela var., GREEN, p. 76, cut, Spolia Zeylan. ii; *C. arsinoe figalea* subsp. n., FRUHSTORFER, p. 26, Soc. ent. xix.
Cyrestis, subspp. n., FRUHSTORFER, pp. 323–328, Ent. Meddel. ii; *C. periander enganicus*, pl. ii, fig. 2, p. 191, FRUHSTORFER, Berlin. ent. Zeitschr. xlix.
C. giloloensis, Gilolo, LATHY, p. 71, Entomologist 1904, **n. sp.**
Didonis laticlavia, Ecuador, THIEME, p. 159, pl. i, figg. 1, 2, Berlin. ent. Zeitschr. xlix, **n. sp.**

Diestogyna hobleyi, Victoria Nyanza, NEAVE, p. 334, Nov. Zool. xi ; *D. intermixta*, Congo, *butleri* (=*amaranta* Butl. nec Karsch), AURIVILLIUS, p. 96, Ent. Tidskr. xxv : **n. spp.**

Dione vanillæ var. *passifloræ*, COCKERELL, p. 331, Canad. Ent. xxxvi.

Ergolis pagenstecheri, E. Africa, SUFFERT, p. 125, Deutsche ent. Zeitschr. Iris xvii, **n. sp.**

Eulepis delphis subspp. n., FRUHSTORFER, p. 75, Soc. ent. xix ; *E. pyrrhus antigonus* subsp. n., FRUHSTORFER, p. 140, Ins. Börse 1904 ; *E. dolon* subspp. n., FRUHSTORFER, p. 381, t. c.

Euphædra edwardsi viridis subsp. n., SUFFERT, p. 111, Deutsche ent. Zeitschr. Iris xvii.

E. paradoxa, Victoria Nyanza, NEAVE, p. 333, Nov. Zool. xi ; *E. paradoxa* ♂, SHARPE, p. 132, Entomologist 1904 ; *E. rattrayi*, p. 182, *christyi*, p. 183, Toro, SHARPE, Entomologist 1904 : **n. spp.**

Euptera dorothea, Sierra Leone, BETHUNE-BAKER, p. 223, Ann. Nat. Hist. xiv, **n. sp.**

Euryphene lætitia tia subsp. n., SUFFERT, p. 111, Deutsche ent. Zeitschr. Iris xvii.

E. fulgurata, Congo, AURIVILLIUS, p. 95, with cut, Ent. Tidskr. xxv, **n. sp.**

Euryphura porphyrion and *plautilla* subspp. n., SUFFERT, p. 114, Deutsche ent. Zeitschr. Iris xvii.

E. oliva, Togo, SUFFERT, p. 112, with subsp. *albula*, p. 113, t. c. **n. sp.**

Euthalia adona pura subsp. n., FRUHSTORFER, p. 309, Ins. Börse 1904 ; *E. lubentina* subspp. n., FRUHSTORFER, pp. 438–351, Stettin Ent. Zeit. lxv.

Grapta gigantea, melanic var., OBERTHÜR, p. 174, Bull. Soc. ent. France 1904.

Hæmatera pyramus var. n. *rubra*, KAYE, p. 173, pl. xviii, fig. 7, Tr. ent. Soc. London 1904.

Harma marmorata, Toro, SHARPE, p. 183, Entomologist 1904, **n. sp.**

Hypanartia delius nigrescens subsp. n., SUFFERT, p. 108, Deutsche ent. Zeitschr. Iris xvii.

Hypolimnas, African subspp. n., SUFFERT, p. 110, t. c. ; *H. bolina*, variation, WATERHOUSE, p. 493, Tr. ent. Soc. London 1904 ; *H. bolina enganica* subsp. n., FRUHSTORFER, p. 193, Berlin. ent. Zeitschr. xlix ; *H. misippus*, bred varr., LEIGH, pp. 689, 690, pl. xxxii, Tr. ent. Soc. London 1904.

Issoria, n. subspp. from Malay Arch., FRUHSTORFER, pp. 312–316, Ent. Meddel. ii.

Kallima rumia amiru subsp. n., SUFFERT, p. 111, Deutsche ent. Zeitschr. Iris xvii.

K. rattrayi, Toro, SHARPE, p. 182, Entomologist 1904, **n. sp.**

Limenitis populi varr., SCHULTZ, Abh. Ges. Gorlitz xxiv, pp. 135, 136.

Melitæa dejone and *parthenie* varr., p. 11, pl. i, figg. 5–8, OBERTHÜR, Études comp. i ; *M. didyma* var., ROSTAGNO, p. 169, Boll. Soc. zool. Ital. xiii ; *M. iduna* ab. *sulitelmica*, SCHULTZ, p. 137, Abh. Ges. Gorlitz xxiv.

M. tibetana, pl. ix, fig. 2, Khamba Jong, FAWCETT, p. 135, P. Z. S. 1904, ii, **n. sp.**

Messaras mimicus, New Guinea, pl. iii, fig. 43, ROTHSCHILD, p. 318, Nov. Zool. xi, **n. sp.**

Mimacræa poultoni, Victoria Nyanza, pl. i, fig. 18, NEAVE, p. 337, Nov. Zool. xi, **n. sp.**

Neptis conspicua, pl. i, fig. 15, p. 329, *clarei*, fig. 2, *ochracea*, fig. 5, p. 330, Victoria Nyanza, NEAVE, t. c. ; *N. livingstonei*, E. Africa, SUFFERT, p. 126, pl. iii, fig. 10, Deutsche ent. Zeitschr. Iris xvii : **n. spp.**

Parthenos subspp. n., FRUHSTORFER (566) ; *P. sylvia* subspp. n. ; FRUHSTORFER, pp. 73, 74, Soc. ent. xix.

Phyciodes hanhami, Canada, FLETCHER, p. 122, pl. fig., Canad. Ent. xxxvi, and p. 208, Tr. R. Soc. Canada ix, Sect. 4, **n. sp.**

Polygonia c-album var., FUCHS, Jahrb. nassau. Ver. lvii, p. 31, pl. ii, fig. 1.

Precis, African subspp. n., SUFFERT, pp. 108, 109, Deutsche ent. Zeitschr. Iris xvii.

P. adulatrix, Sumba, FRUHSTORFER, p. 7, SB. Berlin. ent. Zeitschr. xlix, **n. sp.**

Prothoë ribbei guizonis subsp. n., ROTHSCHILD, p. 366, Nov. Zool. xi.

Protogonius ochraceus, egg, KAYE, pl. xvii, fig. 3, p. 178, Tr. ent. Soc. London 1904.

Pseudacræa hobleyi, p. 331, *tirikensis*, pl. i, fig. 14, *terra*, p. 332, *obscura*, p. 333, Victoria Nyanza, NEAVE, Nov. Zool. xi, **n. spp.**

Pyrameis cardui, swarms, VAN ROSSUM, pp. 112–114, Ent. Ber. Nederland. i; *P. cardui*, swarms, VAN DEN BERGH & VAN ROSSUM, pp. 148–152, Ent. Ber. Nederland. i; *P. cardui*, migration, REBEL, p. 152, Ann. Hofmus. Wien xix; *P. cardui*, migration, Calais, GIARD, p. 67, Feuille Natural. xxxiv; *P. cardui*, migration, Hungary, AIGNER-ABAFI, pp. 6–9, Allg. Zeitschr. Ent. ix.

P. indica var. *vulcania* from Canaries and Madeira, FRUHSTORFER & STICHEL, pp. 3, 4, SB. Berlin. ent. Zeitschr. xlix.

P. gonerilla, ALFKEN, pl. xxxii, fig. 11, p. 589, *P. ida*, fig. 12, var. *argentata*, fig. 13, p. 602, Zool. Jahrb. Syst. xix.

Salamis anacardii ansorgei subsp. n., ROTHSCHILD, p. 452, Nov. Zool. xi.

S. temora virescens subsp. n., SUFFERT, p. 109, Deutsche ent. Zeitschr. Iris xvii.

Symbrenthia subspp. n., FRUHSTORFER, pp. 319–323, Ent. Meddel. ii.

Tithorea regalis, Colombia, STICHEL, p. 18, SB. Berlin. ent. Zeitschr. xlix, **n. sp.**

Vanessa, in the Seine-inférieure, NOEL, pp. 143–146, Naturaliste 1904; *V. antiopa*, habits, PARKER, Mark Anniversary Volume, pp. 455–469, pl. xxxiii; *V. antiopa*, pupation habits, FIELD, pp. 6–9, Ent. News Philad. xv; *V. atalanta*, in New Zealand, PHILPOTT, p. 161, Tr. N. Zealand Inst. xxxvi; *V. cardui*, migration (as recorded by Eagle Clarke), VAN ROSSUM, pp. 141–143, Ent. Ber. Nederland. i; *V. urticæ*, oviposition, habits, POULTON & HAMM and others, pp. xli–xlvi, P. ent. Soc. London 1904; *V. urticæ nigricaria* ♂, HAVERKAMPF, p. 186, pl. i, Ann. Soc. ent. Belgique xlviii.

MORPHIDÆ, BRASSOLIDÆ, AMATHUSIIDÆ, DISCOPHORIDÆ.

[Cf. KAYE (775), RÖBER (1180), SHELFORD (1289), STICHEL (1346–1348).]

Brassolinæ revised and listed, STICHEL, Wytsman Gen. Ins. fasc. xx, 48 pp., v pls. In this work numerous varieties are described, that it is not necessary to enumerate here. The forms described in Ins. Börse by the same writer are in this paper redescribed and some of them figured.

Notes on the doubtful species of *Brassolidæ* of Felder and Boisduval, STICHEL, pp. 197 etc., Ins. Börse 1904.

Amathusia, subspp. n., FRUHSTORFER (566).

Amathuxidia amythaon lucida subsp. n., FRUHSTORFER, p. 189, Berlin. ent. Zeitschr. xlix.

Brassolis astyra philocala subsp. n., STICHEL, p. 21, Ins. Börse 1904.

Caligo, STICHEL uses numerous names for divisions and subdivisions, Brassolinæ, pp. 35–43; *C.*, subspp. n., FRUHSTORFER, p. 145, Soc. ent. xviii; *C. placidianus* var. n. *micans*, *prometheus* var. n. *atlas*, RÖBER,

p. 146, Soc. ent. xviii ; *C.*, notes on, with varr. n., FRUHSTORFER, pp. 313–320, Deutsche ent. Zeitschr. Iris xvi ; *C. eurylochus* var. n. *minor*, KAYE, p. 165, Tr. ent. Soc. London 1904 ; *C. teucer insulanus* subsp. n., STICHEL, p. 21, Ins. Börse 1904.

C. fruhstorferi, Honduras, Surinam, STICHEL, p. 21, Ins. Börse 1904 ; *C. pavo*, p. 145, *hanschi*, Colombia, *phorbas*, p. 146, Ecuador, RÖBER, Soc. ent. xviii ; *C. saltus*, Trinidad, KAYE, p. 165, larva, pl. xvii, fig. 1, Tr. ent. Soc. London 1904 : **n. spp.**

Dasyophthalma varr. n., STICHEL, p. 21, Ins. Börse 1904.

Dynastor darius ictericus subsp. n., STICHEL, p. 21, t. c.

Hyantidæ n. family for *Hyantis* and *Morphopsis*, STICHEL, p. 306, Berlin. ent. Zeitschr. xlix.

Hyantis, new forms, STICHEL, pp. 310–313, pl. iv, t. c.

Morphopsis albertisi, *astrolabensis* race, STICHEL, p. 308, t. c.

Narope albopunctum, Peru, *panniculus*, Paraguay, STICHEL, p. 6, Ins. Börse 1904, **n. spp.**

Nephrochoria and *Cyclochoria* **n. nn.** for sects. of *Selenophanes*, STICHEL, p. 29, Brassolinæ.

Opsiphanes varr. n., STICHEL, p. 6 and p. 21, t. c. ; *O. cassiæ*, pl. xvii, fig. 2, GUPPY, p. 226, Tr. ent. Soc. London 1904.

Pseudamathusia masina, Borneo, FRUHSTORFER, p. 155, Deutsche ent. Zeitschr. Iris xvii, **n. sp.**

Psilocraspeda, p. 31, and *Tricothamnodes*, p. 32, **n. nn.** for sects. of *Eryphanis*, STICHEL, Brassolinæ.

Tenaris artemis, 9 subspp. n., FRUHSTORFER, p. 389, Ins. Börse 1904 ; *T. macrops macropina* subsp. n., FRUHSTORFER, p. 26, Soc. ent. xix, *T.*, varr. n., FRUHSTORFER, pp. 129, 139, t. c.

T. merana, New Guinea, id. p. 138, t. c. **n. sp.**

Thaumantis odana var. n. *cyclops*, RÖBER, p. 105, t. c.

SATYRIDÆ.

[Cf. BACHMETJEW (69, 71), DYAR (433), FAWCETT (492), KERSHAW (788), OBERTHÜR (987), REBEL (1122), RÖBER (1179), ROTHSCHILD (1196), SHELFORD (1289), THIEME (1379, 1380), TUTT (1414).]

Aphysoneura pigmentaria ♀, SUFFERT, p. 132, Deutsche ent. Zeitschr. Iris xvii.

Argyrophorus lamna, Bolivia, THIEME, p. 160, Berlin. ent. Zeitschr. xlix, **n. sp.**

Bia actorion var. n. *peruana*, RÖBER, p. 106, Soc. ent. xix.

Cœnonympha arcania-insubrica, p. 24, pl. i, fig. 12, OBERTHÜR, Études comp. i ; *C. arcania*, *tiphon* varr., REBEL, p. 174, pl. v, figg. 9–12, Ann. Hofmus. Wien xix ; *C. dorus* varr., MUSCHAMP, p. 302, Ent. Rec. xvi ; *C. pamphilus* larva, KLOKMAN, p. 134, Ent. Ber. Nederland. i.

C. mathewi, Vigo, TUTT, p. 308, Ent. Rec. xvi, **n. sp.**

Epinephele, abb. of Tuscan, VERITY, p. 56, Entomologist 1904 ; *E. jurtina*, number of eye-spots and damp seasons, BACHMETJEW, pp. 143–147, Allg. Zeitschr. Ent. ix ; *E. furtina* (sic) varr., HAVERKAMPF, p. 188, Ann. Soc. ent. Belgique xlviii ; *E. jurtina*, parthenogenesis of male, BACHMETJEW, pp. 1–16, Horæ Soc. ent. Ross. xxxvii ; *E. lycaon* ab. n. *biocellatus*, RAGUSA, pl. iii, fig. 2, p. 110, Natural. Sicil. xvii ; *E. tithonus* varr., cuts, var. n. *albida*, RUSSELL, pp. 125–127, Entomologist 1904.

Erebia christi and *pharte* varr., OBERTHÜR, pp. 21–23, pl. ii, figg. 13, 14, 19, 20, and iv, fig. 45, Études comp. i ; *E. neoridas* varr. n. *albovittata*, *etrusca*, pl. iv, figg. 6, 7, VERITY, p. 55, Entomologist 1904 ; *E. manto* var. n. *ocellata*, WAGNER, p. 610, cut, Verh. Ges. Wien liv ; *E. evias* and *stygne*, varr. from Guadarrama, *E. penalarœ* var. n., CHAPMAN,

pp. xlvi–xlviii, P. ent. Soc. London 1904 ; *E. stygne* and *epistygne*, note, NICHOLL, p. 48, Ent. Rec. xvi ; *E. flavofasciata* var. n. *thiemei*, BARTEL, p. 165, Deutsche ent. Zeitschr. Iris xvii ; *E. turanica* var. n. *jucunda*, PÜNGELER, p. 286, pl. vi, fig. 1, Deutsche ent. Zeitschr. Iris xvi ; *E. glacialis*, larva, KRODEL, pp. 442–447, Allg. Zeitschr. Ent. ix.

E. palarica, N. Spain, CHAPMAN, p. lxxxvii, P. ent. Soc. London 1904, **n. sp.**

Erites thetis, Borneo, SHELFORD, p. 99, J. Straits Asiat. Soc. xli, **n. sp.**

Heteronympha merope, *philerope*, variation, KERSHAW, pp. 173–175, Victorian Natural. xx.

H. solandri, Australia, WATERHOUSE, p. 466, P. Linn. Soc. N. S. Wales xxix, **n. sp.**

Lethe cerama, Borneo, SHELFORD, p. 96, J. Straits Asiat. Soc. xli, **n. sp.**

Lymanopoda acræida Butl. ♀, THIEME, p. 160, Berlin. ent. Zeitschr. xlix.

L. sororcula, Ecuador, p. 161, *palumba*, Bolivia, p. 462, THIEME, t. c. **n. spp.**

Melanitis ismene, variation, GREEN, p. 75, pl., Spolia Zeylan. ii.

M. ansorgei, Aruwimi Forest, ROTHSCHILD, p. 451, Nov. Zool. xi, **n. sp.**

Mycalesis barbara mea subsp. n., pl. iii, fig. 42, p. 319, ROTHSCHILD, t. c.

Œneis norna, variation, var. n., SCHULTZ, pp. 138–140, Abh. Ges. Gorlitz xxiv ; *O. caryi* n. var., DYAR, p. 142, P. ent. Soc. Washington vi.

Œ. nahanni, Mackenzie, id. t. c. **n. sp.**

Pararge megæra, larva, KLOKMAN, p. 134, Ent. Ber. Nederland. i.

Ragadia simplex, pl. ix, fig. 1, p. 135, FAWCETT, P. Z. S. 1904, ii.

Satyrus semele ab. n. *triocellatus*, RAGUSA, pl. iii, fig. 1, p. 109, Natural. Sicil. xvii ; *S. hermione*, larva, TER HAAR, p. 160, Ent. Ber. Nederland. i.

Tisiphone abeona var. n. *albifascia*, WATERHOUSE, p. 468, P. Linn. Soc. N. S. Wales xxix.

Ypthima abnormis, Borneo, SHELFORD, p. 98, J. Straits Asiat. Soc. xli, **n. sp.**

ERYCINIDÆ (or RIODINIDÆ), [*s. l.* incl. ELYMNIAS, etc.]

[Cf. BETHUNE-BAKER (116), DANNATT (351), DRUCE (405), FRUHSTORFER (571), KAYE (775), LATHY (859, 861), RÖBER (1179), ROTHSCHILD (1194, 1197).]

Abisara albiplaga avera, pl. ii, fig. 23, subsp. n. *keiana*, fig. 24, subsp. n. *weiskei* ♀, pl. iii, fig. 28, ROTHSCHILD, p. 317, Nov. Zool. xi ; *Abisara* subspp. n., FRUHSTORFER (566).

A. segestes, New Guinea, ROTHSCHILD, p. 455, Nov. Zool. xi, **n. sp.**

Aricoris striata, Ecuador, pl. xxxiv, fig. 12, p. 488, DRUCE, P. Z. S. 1904, i, **n. sp.**

Calvia fulvimargo, Peru, LATHY, p. 466, pl. xxvii, fig. 6, T. ent. Soc. London 1904, **n. sp.**

Chamælimnas albivitta, Brazil, LATHY, p. 465, pl. xxvii, fig. 5, t. c. **n. sp.**

Charis candiope, Colombia, pl. xxxiv, fig. 5, *mandosa*, Rio Janeiro, fig. 6, *myrtis*, Paraguay, figg. 6, 7, p. 486, DRUCE, P. Z. S. 1904, i, **n. spp.**

Cremna aza, Colombia, pl. xxxiii, fig. 11, DRUCE, t. c. **n. sp.**

Cricosoma coccineata, Trinidad, pl. xviii, fig. 10, p. 185, KAYE, Tr. ent. Soc. London 1904, **n. sp.**

Dicallaneura amabilis, New Guinea, pl. ii, figg. 21, 22, ROTHSCHILD, p. 318, Nov. Zool. xi ; *D. ekeikei*, New Guinea, BETHUNE-BAKER, p. 370, Nov. Zool. xi ; *D. milnei*, New Guinea, FRUHSTORFER, p. 147, Deutsche ent. Zeitschr. Iris xvii : **n. spp.**

Elymnias esaca, subspecies, synonymy, SHELFORD & BINGHAM, pp. 487–489, Tr. ent. Soc. London 1904 ; *E.*, subspp. n., FRUHSTORFER, pp. 321–323, Deutsche ent. Zeitschr. Iris xvi ; *E.*, subspp. n., FRUHSTORFER, pp. 53 & 60, Soc. ent. xix.

E. thyone, Celebes, id. p. 53; *E. brookei*, Borneo, SHELFORD, p. 102, J. Straits Asiat. Soc. xli : **n. spp.**

Emesis guppyi, Trinidad, pl. xviii, fig. 9, p. 187, KAYE, Tr. ent. Soc. London 1904, **n. sp.**

Erycina latifasciata, Peru, LATHY, pl. xxvii, fig. 3, p. 464, Tr. ent. Soc. London 1904; *E. mendita*, Bolivia, pl. xxxiv, fig. 2, p. 485, DRUCE, P. Z. S. 1904, i : **n. spp.**

Eurybia cærulescens, pl. xxxiii, fig. 3, *sinuaces*, fig. 4, Peru, DRUCE, p. 482, t. c. **n. spp.**

Eurygona ocalea, Bolivia, pl. xxxiii, fig. 1, *candaria*, Colombia, fig. 2, p. 481, DRUCE, t. c.; *E. subargentea*, Bogota, LATHY, p. 463, pl. xxvii, fig. 1, Tr. ent. Soc. London 1904 : **n. spp.**

Helicopis elegans, Trinidad, KAYE, p. 182, pl. xviii, fig. 6, Tr. ent. Soc. London 1904, **n. sp.**

Ithomiola rubrolineata (=*celtilla* var. Hew.), Peru, LATHY, p. 465, Tr. ent. Soc. London 1904, **n. sp.**

Lemonias auria, Bolivia, pl. xxxiv, fig. 4, p. 487, DRUCE, P. Z. S. 1904, i; *L. pulchra*, Peru, LATHY, p. 467, pl. xxvii, fig. 8, Tr. ent. Soc. London 1904 : **n. spp.**

Libythea fulvescens, Dominica, LATHY, p. 451, P. Z. S. 1904, i, **n. sp.**

Lymnas hillapana, Peru, RÖBER, p. 106, Soc. ent. xix, **n. sp.**

Mesosemia axilla, Bolivia, pl. xxxiii, fig. 5, *anica*, fig. 6, *paramba*, fig. 7, p. 483, *candara*, fig. 8, *carderi*, fig. 9, p. 484, Peru, *parishi*, Brit. Guiana, fig. 10, p. 485, DRUCE, P. Z. S. 1904, i; *M. elegans*, Peru, LATHY, p. 463, pl. xxvii, fig. 2, Tr. ent. Soc. London 1904 : **n. spp.**

Monethe johnstoni, Brit. Guiana, DANNATT, p. 174, pl. vii, fig. 2, Entomologist 1904, **n. sp.**

Nymphidium molpe, larva, GUPPY, p. 227, Tr. ent. Soc. London 1904.

N. candace, pl. xxxiv, fig. 1, Rio Janeiro, *minuta*, Brit. Guiana, fig. 10, p. 487, *augea*, Bolivia, fig. 11, *medusa*, Peru, fig. 3, p. 488, DRUCE, P. Z. S. 1904; *N. completa*, Peru, LATHY, p. 467, pl. xxvii, fig. 9, Tr. ent. Soc. London 1904 : **n. spp.**

Rusalkia marathon var. n. *stenotænia*, RÖBER, p. 106, Soc. ent. xix.

Siseme peculiaris, Peru, pl. xxxiv, fig. 9, p. 486, DRUCE, P. Z. S. 1904, i, **n. sp.**

Stalachtis canidia, Matto Grosso, pl. xxxiv, fig. 8, p. 488, DRUCE, t. c. **n. sp.**

Symmachia peruviana, La Merced, LATHY, p. 466, pl. xxvii, fig. 7, Tr. ent. Soc. London 1904, **n. sp.**

Synargis Hübn. valid, KAYE, p. 189, Tr. ent. Soc. London 1904.

Themone trivittata, Peru, LATHY, p. 465, pl. xxvii, fig. 4, Tr. ent. Soc. London 1904, **n. sp.**

Theope eudocia, larva, pl. xviii, fig. 1, p. 226, *foliorum*, larva, fig. 2, p. 227, GUPPY, Tr. ent. Soc. London 1904.

T. fasciata, hab.?, LATHY, p. 467, pl. xxvii, fig. 10, Tr. ent. Soc. London 1904, **n. sp.**

LYCÆNIDÆ.

[Cf. BETHUNE-BAKER (116–118), CATOR (250), DRUCE (407, 408), DYAR (422), FLETCHER (515, 516), KAYE (775), KRODEL (846), LATHY (861), NEAVE (977), OBERTHÜR (987), SHARPE (1286, 1288), SKINNER (1303), SUFFERT (1353, 1355), TRIMEN (1394), WATERHOUSE & TURNER (1495).]

For suggestive and synonymical notes on Australian *Lycænidæ* see WATERHOUSE & TURNER, P. Linn. Soc. N. S. Wales 1904, pp. 798–804.

Temperature experiments on pupa of *L. corydon* and *damon*, KRODEL, pp. 49–55, 21 cuts, Allg. Zeitschr. Ent. ix.

Alæna rollei, E. Africa, SUFFERT, p. 134, Ins. Börse 1904; *A. rollei*, Usambara, SUFFERT, p. 39, pl. i, fig. 5, Deutsche ent. Zeitschr. Iris xvii; *A. mulsa*, E. Africa, n. sp., but in note=*rollei* Suff., THIEME, p. 164, Berlin. ent. Zeitschr. xlix : **n. sp.**

Aphneus drucei, Victoria Nyanza, pl. i, fig 6, p. 338, NEAVE, Nov. Zool. xi; *A. rattrayi*, Toro, SHARPE, p. 203, Entomologist 1904 : **n. spp.**

Aravacus **n. g.** for *Pap. linus* Sulz, KAYE, p. 197, Tr. ent. Soc. London 1904.

Arhopala halmaheira, Halmaheira, p. 233, *sublustris*, p. 234, *baluensis*, p. 235, Borneo, BETHUNE-BAKER, Ann. Nat. Hist. xiv, **n. spp.**

Candalides pruina, New Guinea, DRUCE, p. 140, Ann. Nat. Hist. xiii, **n. sp.**

Castalius eusemia, Victoria Nyanza, pl. i, fig. 11, p. 340, NEAVE, Nov. Zool. xi, **n. sp.**

Catochrysops nandensis, Africa, pl. i, fig. 12, p. 339, NEAVE, t. c. **n. sp.**

Chrysophanus dispar var. pl. iv, fig. 12, and ab. n. *nigrolineata*, p. 57, *dorilis* ab. n. *upoleuca*, p. 58, VERITY, Entomologist 1904; *C. gorgon*, eggs, larvæ, GRUNDEL, p. 97, Ent. News Philad. xv.

Cupido malathana var. n. *nilotica*, AURIVILLIUS, p. 3, Jägerskiöld exp. No. 8.

Cyaniris ladon, food-plant, FLETCHER, p. 4, Canad. Ent. xxvi.

Deudorix leonina, Sierra Leone, BETHUNE-BAKER, p. 231, Ann. Nat. Hist. xiv; *D. angelita*, Cameroons, SUFFERT, p. 54, Deutsche ent. Zeitschr. Iris xvii : **n. spp.**

Eoöxylides tharis enganicus subsp. n., FRUHSTORFER, p. 204, Berlin. ent. Zeitschr. xlix; *E. tharis* subspp. n., FRUHSTORFER, pp. 311, 312, Deutsche ent. Zeitschr. Iris xvi.

Epitola mus, *mercedes*, p. 53, *concepcion*, p. 54, Cameroons, SUFFERT, t. c. xvii, **n. spp.**

Epitolina catori, *dorothea*=(*Phytala leonina*), p. 227, *sublustris*, p. 228, *kholifa*, p. 229, *albomaculata*, *virginea*, p. 230, Sierra Leone, BETHUNE-BAKER, Ann. Nat. Hist. xiv, **n. spp.**

Hypolycæna cœculus obscurus subsp. n., SUFFERT, p. 60, Deutsche ent. Zeitschr. Iris xvii.

H. dolores, E. Africa, SUFFERT, p. 57, t. c.; *H. ugandæ*, Africa, SHARPE, p. 203, Entomologist 1904; *H. moyambina*, Sierra Leone, BETHUNE-BAKER, p. 232, Ann. Nat. Hist. xiv : **n. spp.**

Iaspis **n. g.** for *Symmachia temesa*, Hew., KAYE, p. 196, Tr. ent. Soc. London 1904.

Incisalia angustus, larva, COOK, p. 136, Canad. Ent. xxxvi.

Iolaus silas lasius subsp. n., SUFFERT, p. 70, Deutsche ent. Zeitschr. Iris xvii.

I. barbara, p. 62, *matilda*, p. 64, *elisa*, p. 65, *bertha*, p. 66, *thuraui*, p. 67, *emma*, p. 69, Africa, SUFFERT, t. c.; *I. hemicyanus*, Uganda, p. 203, *albomaculatus*, Toro, p. 204, SHARPE, Entomologist 1904; *I. catori*, Sierra Leone, BETHUNE-BAKER, p. 233, Ann. Nat. Hist. xiv : **n. spp.**

Jacoona anasuja varr., FRUHSTORFER, p. 310, Deutsche ent. Zeitschr. Iris xvi.

Lampides telicanus, ab. n. p. 58, *damon* ab. n. *agraphomena*, p. 59, VERITY, Entomologist 1904.

Larinopoda lagyra gyrala subsp. n., SUFFERT, p. 49, Deutsche ent. Zeitschr. Iris xvii.

L. emilia, Cameroons, SUFFERT, p. 48, t. c. **n. sp.**

Liptena angusta, p. 50, *margarita*, p. 51, Cameroons, SUFFERT, t. c.; *L. albicans*, Sierra Leone, CATOR, p. 76, Ann. Nat. Hist. xiii; *L. diversa*, Sierra Leone, BETHUNE-BAKER, p. 225, Ann. Nat. Hist. xiv : **n. spp.**

Lycæna ariana var. *arene*, pl. ix, fig. 4, p. 137, *L. pheretes* var. *pharis*, fig. 5, p. 138, FAWCETT, P. Z. S. 1904, ii; *L. pseudargiolus* varr. n. *argentata*, *nigrescens*, FLETCHER, p. 213, Tr. R. Soc. Canad. ix, Sect. 4;

L. pseudargiolus varr. n. *argentata*, *nigrescens*, FLETCHER, p. 127, Canad. Ent. xxxvi; *L. cyllarus* var. n. *punctata*, GOUIN, pp. lxxi & lxxvi, Pr.-verb. Soc. Linn. Bordeaux lix; *L. arion* var. n., WAGNER, p. 1, Soc. ent. xix; *L. icarus* ab. *celina*, *escheri* ab. *rostagni*, *corydon* ab. *striata*, STEFANELLI, pp. 4, 5, Bull. Soc. ent. Ital. xxxvi; *L. escheri* var. n. *splendens*, id. t. c. p. 11; *L. corydon* ab. n. *stefanellii*, *L. bellargus* ab. n. *bellargoides*, VERITY, l. eod.; *L. zephyrus*, *calliopis* varr. pp. 16–19, pl. ii, figg. 15–18 & 21–24, Études comp. i; *L. coretas*, characters, JACHONTOV, pp. 96–100, cuts, and p. 218, Rev. Russe Ent. iv; *L. argiades*, life-history, FROHAWK, pp. 245–249, Entomologist 1904; *L. alcon*, habits and early stages, BRANTS, pp. 137–143, Tijdschr. Ent. xlvi.

L. lerothodi, Basutoland, TRIMEN, p. 242, pl. xix, fig. 6, Tr. ent. Soc. London 1904; *L.* (*Zizera*) *zera*, pl. ix, fig. 6, p. 138, *L.* (*Niphanda*) *marcia*, fig. 7, p. 139, Tounghoo, FAWCETT, P. Z. S. 1904, ii : **n. spp.**

Lycœnesthes affinis **n. n.** for *modestus* Waterh., WATERHOUSE & TURNER, p. 801, P. Linn. Soc. N. S. Wales 1904.

L. hobleyi, Victoria Nyanza, NEAVE, p. 339, Nov. Zool. xi, **n. sp.**

Macusia **n. g.** for *Thecla satyroides* Hew., KAYE, p. 198, Tr. ent. Soc. London 1904.

Micropentila mabangi, Sierra Leone, BETHUNE-BAKER, p. 226, Ann. Nat. Hist. xiv, **n. sp.**

Neolucia **n. g.** type *Lycœna agricola* Westw., WATERHOUSE & TURNER, p. 803, P. Linn. Soc. N. S. Wales 1904.

Nesolycœna **n. g.** type *Holochila albosericea* Misk., WATERHOUSE & TURNER, t. c. p. 801.

Oxylides feminina, Uganda, SHARPE, p. 202, Entomologist 1904, **n. sp.**

Paiwarria **n. g.** for *Pap. venulius* Cr., KAYE, p. 199, Tr. ent. Soc. London 1904.

Parachrysops **n. g.** *bicolor* **n. sp.**, New Guinea, BETHUNE-BAKER, p. 369, Nov. Zool. xi.

Paralucia **n. g.** type *L. pyrodiscus* Ros., WATERHOUSE & TURNER, p. 802, P. Linn. Soc. N. S. Wales 1904.

Paraphnæus **n. g.** for *Aphnæus hutchinsoni*, THIERRY-MIEG, p. 140, Naturaliste 1904.

Parelodina **n. g.** near *Candalides*, *P. aroa* **n. sp.**, New Guinea, BETHUNE-BAKER, p. 368, Nov. Zool. xi.

Pentila, subspp. n., SUFFERT, pp. 46, 47, Deutsche ent. Zeitschr. Iris xvii.

P. hedwiga, *marianna*, p. 43, *christina*, p. 45, *elfrieda*, p. 46, Africa, SUFFERT, t. c. **n. spp.**

Philiris merged in *Candalides*, BETHUNE-BAKER, p. 369, Nov. Zool. xi.

Polyniphes **n. g.** for *Thecla dumenilii* God., KAYE, p. 191, Tr. ent. Soc. London 1904.

Polyommatus admetus rippartii, oviposition and egg, POWELL, pp. 92–94, Ent. Rec. xvi.

Poultonia **n. g.** near *Durbania*, *P. ochrascens* **n. sp.**, Victoria Nyanza, pl. i, fig. 13, NEAVE, p. 336, Nov. Zool. xi.

Purlisa gigantea borneana subsp. n., FRUHSTORFER, p. 310, Deutsche ent. Zeitschr. Iris xvi.

Pseuderesia moyambina, p. 224, *catori*, p. 225, Sierra Leone, BETHUNE-BAKER, Ann. Nat. Hist. xiv; *P. bakeriana*, p. 73, *nigra*, p. 74, *fusca*, p. 75, Sierra-Leone, CATOR, Ann. Nat. Hist. xiii; *P. carlota*, Cameroons, SUFFERT, p. 47, Deutsche ent. Zeitschr. Iris xvii.

Rekoa **n. g.** for *Pap. meton* Cr., KAYE, p. 198, Tr. ent. Soc. London 1904.

Siderus **n. g.** *S. parvinotus* **n. sp.**, Trinidad, KAYE, p. 195, t. c.

Spindasis nairobiensis, Africa equat., SHARPE, p. 133, Entomologist 1904, **n. sp.**

Stugeta maria, Angola, SUFFERT, p. 60, Deutsche ent. Zeitschr. Iris xvii, **n. sp.**
Syntaruchoides **n. g.** for *Papilio cassius* Cr., KAYE, p. 190, Tr. ent. Soc. London 1904.
Tajuria lucullus, stigmata, Borneo, DRUCE, p. 141, Ann. Nat. Hist. xiii, **n. spp.**
Talicada nyseus var., GREEN, p. 77, Spolia Zeylan. ii.
Telipna acræa nigra subsp. n., SUFFERT, p. 42, Deutsche ent. Zeitschr. Iris xvii.
T. erica, Cameroons, SUFFERT, p. 41, t. c.; *T. nyanza*, Africa, pl. i, fig. 19, p. 335, NEAVE, Nov. Zool. xi : **n. spp.**
Thamala etc., Indo-Australian subspp. n., FRUHSTORFER (566).
Thecla strigosa var. n. *liparops*, FLETCHER, p. 124, cuts, Canad. Ent. xxxvi, and FLETCHER, p. 210, Tr. R. Soc. Canad. ix, sect. 4; *T. critola*, sexes, DYAR, p. 39, J. N. York Ent. Soc. xii; *T. acaciæ* ab. n. *beccarii*, pl. iv, fig. 11, p. 56, VERITY, Entomologist 1904.
T. oslari, Arizona, DYAR, p. 40, J. N. York Ent. Soc. xii; *T. heathii*, Manitoba, FLETCHER, p. 125, Canad. Ent. xxxvi, and FLETCHER, p. 212, Tr. R. Soc. Canada ix, sect. 4; *T. johnsoni*, Brit. Columbia, SKINNER, p. 298, Ent. News Philad. xv; *T. subobscura, dominicana*, Dominica, LATHY, p. 452, P. Z. S. 1904, i : **n. spp.**
Thestor ballus, early stages, CHAPMAN, p. 254–260, 277–284, pls. xi–xiii, Ent. Rec. xvi.
Thysonotis hebes, New Guinea, DRUCE, p. 140, Ann. Nat. Hist. xiii, **n. sp.**
Tmolus unilinea, p. 192, *perdistincta*, p. 194, pl. xviii, fig. 8, Trinidad, KAYE, Tr. ent. Soc. London 1904, **n. spp.**
Zeritis thysbe var. pl. xix, fig. 3, p. 236, *Z. molomo* redescribed, p. 238, fig. 4, *Z. damarensis*, fig. 5, p. 240, TRIMEN, Tr. ent. Soc. London 1904.
Z. felthami, Cape G. H., TRIMEN, p. 233, pl. xix, fig. 2, t. c. **n. sp.**
Zizera otis var., GREEN, p. 77, cut, Spolia Zeylan. ii.

HESPERIIDÆ.

[Cf. DYAR (420, 422), FLETCHER (515, 516), FRUHSTORFER (568), GRINNELL (634), KAYE (775), MABILLE (898), NEAVE (977), SWINHOE (1364), TRIMEN (1394), WATERHOUSE (1493).]

WATERHOUSE (1493) criticises Mabille's work regarding Australian *Hesperiidæ*, and gives a list of corrigenda as to habitats and synonymy, for which reference must be made to the paper itself.

Acromecis **n. g.** *neander* Plötz, MABILLE, p. 171, Hesperiidæ.
Aella **n. g.** *dryops* Mab., MABILLE, p. 140, Hesperiidæ.
Arotis **n. g.** *strene* **n. sp.**, Brazil, MABILLE, p. 151, Hesperiidæ.
Asbolis **n. g.** *sandarac* H.-Sch., MABILLE, p. 134, Hesperiidæ.
Bibla **n. g.** near *Taractrocera*, MABILLE, p. 122, Hesperiidæ.
Chloeria **n. g.** *psittacina* Feld., MABILLE, p. 178, Hesperiidæ.
Chondrolepis **n. g.** *murga* Mab., MABILLE, p. 170, Hesperiidæ.
Corone oceanica, Oceania, *tenebricosa*, New Guinea, MABILLE, p. 143, Hesperiidæ, **n. spp.**
Cyclopides trisignatus, Victoria Nyanza, pl. i, fig. 8, p. 343, NEAVE, Nov. Zool. xi, **n. sp.**
Dalla **n. g.** for part of *Butleria*, Wats., MABILLE, p. 107, Hesperiidæ.
Hasora attenuata, New Guinea, MABILLE, p. 86, Hesperiidæ, **n. sp.**
Heliopetes concinnata, Brazil, MABILLE, p. 79, Hesperiidæ, **n. sp.**
Ismene tolo, Celebes, MABILLE, p. 89, Hesperiidæ, **n. sp.**
Kedestes tacusa, pl. xx, fig. 8, p. 245, TRIMEN, Tr. ent. Soc. London 1904.
Leptalina **n. g.** near *Heteropterus*, MABILLE, p. 110, Hesperiidæ.

Malaza **n. g.** *carmides* Hew., MABILLE, p. 95, Hesperiidæ.
Manarina **n. g.** *empyreus* Mab., MABILLE, p. 95, Hesperiidæ.
Melanthes **n. g.** for *brunnea* H.-Sch., MABILLE, p. 80, Hesperiidæ.
Ocybadistes suffusus, Australia, MABILLE, p. 142, Hesperiidæ, **n. sp.**
Œdaloneura **n. g.** *heterochrus* Mab., MABILLE, p. 101, Hesperiidæ.
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CASTNIIDÆ (Vacant) and SPHINGIDÆ.

[Cf. DYAR (420), GRIEP (629), HAMPSON (654), KUSNEZOV (849), OBERTHÜR (987–989) ROTHSCHILD (1195), TUTT (1413), WEBSTER (1500).]

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Sesia doryliformis ab. n. *unicolor*, RAGUSA, p. 114, Nat. Sicil. xvii; *S. typhiæformis*, gall?, TROTTER, p. 83, Marcellia iii; *S. acerni*, habits, ENGEL, p. 71, Ent. News Philad. xv.
S. jakuta, Lena, HERZ, p. 19, Ofv. Finska Forh. xlv, No. 15, **n. sp.**

BOMBYCES

(*s. l.*, including CHALCOSIIDÆ, PSYCHIDÆ, HEPIALIDÆ, COSSIDÆ, AGARISTIDÆ, and various families of more or less doubtful position. *Uraniidæ* and *Epiplemidæ*, see GEOMETRIDÆ *Cymatophoridæ*, see GEOMETRIDÆ; *Thyrididæ*, see PYRALIDÆ).*

[Cf. AURIVILLIUS (60, 62), BARNES (88), BARTEL (90), BETHUNE-BAKER (116), CHAPMAN (259), DEEGENER & SCHAPOSCHNIKOW (359), DOGNIN (398–401), DRUCE (406), DYAR (422, 427, 428, 431, 432, 435), FEDERLEY (493), HAMPSON (653, 654), HEYLAERTS (682), HEYN (685), JOANNIS (763), JORDAN (771), LITTLER (885), MARSHALL (916), OBERTHÜR (987), PACKARD (1007), PETERSEN (1034), PIEPERS & SNELLEN (1084, 1085), PÜNGELER (1111), REBEL (1121), ROTHSCHILD (1194, 1198), SCHAUS (1225), STEBBING (1337), SWINHOE (1361, 1363, 1364), TSCHETVERIKOV (1400), TURNER (1411, 1412), WARREN (1475).]

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Acco **n. g.** *Lithosiinæ*, *A. bicolora*, pl. v, fig. 21, **n. sp.**, New Guinea, BETHUNE-BAKER, p. 418, t. c.

Adelocephala citrina, Parana, SCHAUS, p. 142, Tr. Amer. ent. Soc. xxx; *A. nisa*, Peru, p. 242, *hodova*, *eugenia*, Guiana, *smithi*, Colombia, p. 243, *yucatana*, Yucatan, *lineata*, Paraguay, p. 244, DRUCE, Ann. Nat. Hist. xiii : **n. spp.**

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Æolosia atropunctata var. *alba*, pl. xi, fig. 2, p. 155, SNELLEN, Tijdschr. Ent. xlvii.

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* Owing to diversity of opinion as to position of *Chalcosiidæ*, *Epiplemidæ*, both *Bombyces* and *Geometridæ* should be inspected as regards these insects. As regards *Cymatophoridæ*, *Thyatiridæ*; *Noctuidæ* should also be looked through as well as *Bombyces* and *Geometridæ*.

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Dinawa **n. g.** *Limacodidæ*, *D. rufa*, pl. v, fig. 32, *nigricans*, fig. 11, **n. spp.**, New Guinea, BETHUNE-BAKER, p. 386, Nov. Zool. xi.
Diversosexus **n. g.** *Lymantriidæ*, p. 402, *D. bicolor*, pl. vi, fig. 4, *aroa*, fig. 3, p. 403, **n. spp.**, New Guinea, BETHUNE-BAKER, t. c.

Doratifera unicolora=(*stenora* Turn.), TURNER, p. 241, Tr. R. Soc. S. Austral. xxviii; *D. casta*, larva, RAINBOW, p. 253, pl. xxix, Rec. Austral. Mus. v.

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Dysauxes punctata var. n. *ragusaria*, ZICKERT, p. 97, Nat. Sicil. xvii.

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Elysius barnesi, Cuba, *systron*, Parana, SCHAUS, p. 137, Tr. Amer. ent. Soc. xxx, **n. spp.**

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Eohemera **n. g.** for *Nyctemera fulleri* Druce, AURIVILLIUS, p. 42, Arkiv Zool. ii, No. 4.

Epanaphe **n. g.** for *moloneyi* Dr., and *carteri* Walsingh., AURIVILLIUS, p. 8, t. c.; *E. clarilla*, Mashonaland, pl. xxxiii, fig. 10, p. 699, AURIVILLIUS, Tr. ent. Soc. London 1904, **n. sp.**

Epipyrops nawai, Japan, DYAR, p. 19, P. ent. Soc. Washington vi, **n. sp.**

Eragisa viridis, Rio Janeiro, *E.? sabulosa*, Chiriqui, SCHAUS, p. 144, Tr. Amer. ent. Soc. xxx, **n. spp.**

Eriogaster philippsi, Haifa, BARTEL, p. 10, Deutsche ent. Zeitschr. Iris xvii, **n. sp.**

Eucereon cubensis, *irrorata*, Cuba, SCHAUS, p. 136, Tr. Amer. ent. Soc. xxx, **n. spp.**

Euchromia lethe, larva, AURIVILLIUS, p. 33, Arkiv Zool. ii, No. 4.

Eucyane gundlachia, Cuba, SCHAUS, p. 138, Tr. Amer. ent. Soc. xxx, **n. sp.**

Eugoa tricolora, pl. v, fig. 13, *conflua*, fig. 12, New Guinea, BETHUNE-BAKER, p. 427, Nov. Zool. xi, **n. spp.**

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Gastropacha populifolia var. *flava*, SCHULTZ, p. 185, Soc. ent. xviii; *G. pini*, larva, the blue stripes, CHOLODKOVSKY, p. 556, pl. xxxi, fig. 3, Zool. Jahrb. Syst. xix.

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G. semihyalina, *bandajoma*, *accra*, p. 149, *suffusa*, *inferma*, *partita*, *surrendra*, p. 150, W. Africa, SWINHOE, t. c. **n. spp.**
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Heterographa pungeleri, Jordan, BARTEL, p. 161, Deutsche ent. Zeitschr. Iris xvii, **n. sp.**

Himella infidelis, Brit. Columbia, DYAR, p. 32, Canad. Ent. xxxvi, **n. sp.**

Hiptelia apfelbecki, p. 228, ♂, pl. v, fig. 14, REBEL, Ann. Hofmus. Wien xix.

Homohadena fifia, p. 30, *cocklei*, p. 31, Brit. Columbia, DYAR, Canad. Ent. xxxvi, **n. spp.**

Homoptera calycanthata, early stage, DYAR, p. 879, P. U. S. Mus. xxvii.

Hyblæa puera, natural history, injuries to teak, HOLE, pp. 680–697, pls., J. Bombay Soc. xx.

Hypena humuli, early stages, DYAR, p. 882, P. U. S. Mus. xxvii.

H. zarabena, p. 168, *drucealis*, *tepicalis*, Mexico, *calistalis*, Trinidad, *castricalis*, p. 169, *purpuralis*, *freija*, *syllificalis*, S. America, *bergealis*, Jamaica, *rosealis*, Mexico, p. 170, *dasialis*, *rivalis*, *jonesalis*, *perialis*, p. 171, *glumalis*, *gozama*, *uvalis*, S. America, *queenealis*, *tossalis*, p. 172, *coatalis*, Mexico, *peruvialis*, *claxalis*, p. 173, *turalis*, *braziliensis*, *veltalis*, *demonalis*, *evanalis*, p. 174, *H.* ? *lignealis*, Rio Janeiro, *H.* ? *ricalis*, Costa Rica, p. 176, SCHAUS, Tr. Amer. ent. Soc. xxx, **n. spp.**

Hypenodes separatalis, Korea, HERZ, p. 331, pl. i, fig. 7, Annuaire Mus. St. Petersb. ix; *H. arrhecta*, Kauai, MEYRICK, p. 347, Fauna Hawaiiensis iii; *H. leptoxantha*, Molokai, MEYRICK, p. 130, Ent. Mag. xl: **n. spp.**

Hyppa xylinoides and *indistincta*, early stages, DYAR, pp. 814, 815, P. U. S. Mus. xxvii.

Iphimorpha aroensis, p. 152, *chucha*, *ethela*, p. 153, S. America, SCHAUS, Tr. Amer. ent. Soc. xxx, **n. spp.**

Ischyia porphyrea, Thursday isld., TURNER, p. 217, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Isochlora leuconeura, Centr. Asia, PÜNGELER, p. 131, Soc. ent. xix, **n. sp.**

Koraïa **n. g.** near *Catocala*, p. 313, *K. pirata* **sp. n.**, Korea, p. 314, pl. i, fig. 18, HERZ, Annuaire Mus. St. Petersb. ix.

Lena **n. g.** near *Hyptioxesta*, *L. poppiusi* **n. sp.**, Lena, HERZ, p. 10, Ofv. Finska Forh. xlv.

Lepidodes pectinata, Rio Janeiro, SCHAUS, p. 167, Tr. Amer. ent. Soc. xxx, **n. sp.**

Leptina? petrovna, Petropolis, SCHAUS, p. 152, t. c. **n. sp.**

Leucania favicolor varr. n., TUTT, pp. 252–254, Ent. Rec. xvi; *L. favicolor* var., BARRETT, p. 61, Ent. Mag. xl.

L. jordana, Palestine, BARTEL, p. 158, Deutsche ent. Zeitschr. Iris xvii, **n. sp.**

Leucanitis sculpta, Togus-torau, PÜNGELER, p. 292, pl. vi, fig. 8, Deutsche ent. Zeitschr. xvi, **n. sp.**

Lithacodia castrensis, Parana, SCHAUS, p. 161, Tr. Amer. ent. Soc. xxx, **n. sp.**

Lithocampa fatua, Kuku-Noor, PÜNGELER, p. 288, pl. vi, fig. 4, Deutsche ent. Zeitschr. Iris xvi, **n. sp.**

Lyncestis macrosticha, Townsville, TURNER, p. 216, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Makapta argentescens, Parana, SCHAUS, p. 166, Tr. Amer. ent. Soc. xxx, **n. sp.**

Mamestra crydina var. n., DYAR, p. 32, Canad. Ent. xxxvi; *M.*, early stages of numerous N. American, DYAR, pp. 839–859, P. U. S. Mus. xxvii.

M. obesula, p. 151, *dodii*, p. 152, *acutermina*, p. 153, Calgary, SMITH, Canad. Ent. xxxvi; *M. elsinora*, p. 197, *hueco*, p. 198, Arizona, BARNES, Canad. Ent. xxxvi; *M.* (*Discestra*) *eremistis*, Centr. Asia, PÜNGELER, p. 130, Soc. ent. xix; *M. isoloma*, Saravschan, PÜNGELER, p. 286, pl. vi, fig. 2, Deutsche ent. Zeitschr. Iris xvi : **n. spp.**

Massala marmona, p. 167, *carthia*, p. 168, Brazil, SCHAUS, Tr. Amer. ent. Soc. xxx, **n. spp.**

Microcoelia parigana, *farona*, *mastera*, S. America, SCHAUS, p. 151, t. c. **n. spp.**

Megalodes hedychroa, Queensland, TURNER, p. 218, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Moma tybo, Arizona, BARNES, p. 166, Canad. Ent. xxxvi, **n. sp.**

Mycterophora longipalpata, early stages, DYAR, p. 877, P. U. S. Mus. xxvii.

Nœnia marama, Venezuela; SCHAUS, p. 165, Tr. Amer. ent. Soc. xxx, **n. sp.**

Noctua umbrosa var. n., DYAR, p. 31, Canad. Ent. xxxvi; *N. perumbrosa* n. n. for the above, id. t. c. p. 102; *N. rosaria*, p. 825, *oblata*, p. 827, *sierræ*, p. 828, early stages, DYAR, P. U. S. Mus. xxvii.

N. dislocata, Calgary, SMITH, p. 149, Canad. Ent. xxxvi, **n. sp.**

Nodaria aneliopis, Thursday Isld., TURNER, p. 219, Tr. R. Soc. S. Austral. xxviii; *N. selenitis*, *diopis*, Bahamas, HAMPSON, p. 173, Ann. Nat. Hist. xiv : **n. spp.**

Oncocnemis polingii, Arizona, BARNES, p. 169, Canad. Ent. xxxvi; *O. laticosta*, p. 63, *tetrops*, p. 64, Arizona, DYAR, P. ent. Soc. Washington vi : **n. spp.**

Ophiusa analis an sp. n.?, HERZ, p. 305, Annuaire Mus. St. Petersb. ix.

Orthosia witzenmanni, larva, LUCAS, p. 232, Bull. Soc. ent. France 1904; *O. witzenmanni*, metamorphosis, CHRÉTIEN, p. 269, Naturaliste 1904.

O. verberata, Calgary, SMITH, p. 153, Canad. Ent. xxxvi, **n. sp.**

Oslaria **n. g.** type *Zotheca viridifera* Grote, DYAR, p. 41, J. N. York Ent. Soc. xii.

Oxycnemis subsimplex, Arizona, DYAR, p. 42, t. c. **n. sp.**

Pachetra leucophæa, larva, etc., DOLLMAN, pp. 225–228.

Pachnobia hyperborea varr. p. 60, figg. 9–11, OBERTHÜR, Études comp. i.

Palthis angulalis, early stages, DYAR, p. 881, P. U. S. Mus. xxvii.

Parabasis **n. g.** p. 428, *P. pratti*, pl. iv, fig. 26, p. 429, **n. sp.**, New Guinea, BETHUNE-BAKER, Nov. Zool. xi. holotype

Pericyma acrosticta, pl. vi, fig. 6, *dispar*, fig. 7, Engeddi, PÜNGELER, p. 290, Deutsche ent. Zeitschr. Iris xvi, **n. spp.**

Peridroma ypsilon var. n. *albescens*, CLARK, p. 166, pl. viii, Ent. Rec. xvi;

P. subjugata var. n., DYAR, p. 31, Canad. Ent. xxxvi; *P. occulta*, p. 821 and *astricta subjugata*, p. 823, early stages, DYAR, P. U. S. Mus. xxvii.

Perigrapha achsha, Brit. Columbia, DYAR, p. 32, Canad. Ent. xxxvi, **n. sp.**

Photedes apicata, *virescens*, *costipuncta*, *stenelea*, p. 156, *marita*, *perigeta*, Brazil, *repanda*, *P.* ? *mochensis*, Mexico, p. 157, SCHAUS, Tr. Amer. ent. Soc. xxx, **n. spp.**

Phyllodes enganensis, Engano, SWINHOE, p. 424, Ann. Nat. Hist. xiv, **n. sp.**

Platyja rufiscripta, Borneo, SWINHOE, p. 141, Tr. ent. Soc. London 1904, **n. sp.**

Platyperigea anotha, Brit. Columbia, DYAR, p. 29, Canad. Ent. xxxvi, **n. sp.**

Pleroma cinerea, Oregon, SMITH, p. 56, Psyche xi, **n. sp.**

Plusia festucæ in New Zealand, PHILPOTT, p. 161, Tr. N. Zealand Inst. xxxvi.

P. pterylota, Oahu, MEYRICK, p. 348, Fauna Hawaiiensis iii, **n. sp.**

Polia maxima, California, DYAR, p. 40, J. N. York Ent. Soc. xii, **n. sp.**

Polychrysia formosa, larva, KEARFOTT, p. 301, Ent. News Philad. xv.

Polydesma ? *striata*, Korea, HERZ, p. 303, pl. i, fig. 4, Annuaire Mus. St. Petersb. ix, **n. sp.**

Polyphænis sericata var. n. *viridata*, RAGUSA, p. 18, pl. i, fig. 1, Natural. Sicil. xvii.

Porosagrotis, *thanatologia*, British Columbia, DYAR, p. 833, P. U. S. Mus. xxvii, **n. sp.**

Praxis alampeta, Brisbane, TURNER, p. 216, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Prodenia marima, Parana, SCHAUS, p. 150, Tr. Amer. ent. Soc. xxx, **n. sp.**

Prometopus inasseuta Gn. = (*Caradrina chromoneura* Turn. = *Erastroides lichnomima* Turn.), TURNER, p. 215, Tr. R. Soc. S. Austral. xxviii.

P. rubrispersa, Queensland, *xerampelina*, West Australia, p. 214, *nodyna*, Brisbane, p. 215, TURNER, t. c. **n. spp.**

Propatria, characters, TURNER, p. 213, t. c.

Prothymia rosario, Arizona, BARNES, p. 264, Canad. Ent. xxxvi, **n. sp.**

Pseudaglossa shelfordi, Borneo, SWINHOE, Tr. ent. Soc. London 1904, **n. sp.**

Pseudina janeira, Brazil, SCHAUS, p. 163, Tr. Amer. ent. Soc. xxx, **n. sp.**

Pseudoglœa lobata, Arizona, BARNES, p. 237, Canad. Ent. xxxvi, **n. sp.**

Pseudotamila avemensis, Manitoba, DYAR, p. 41, J. N. York Ent. Soc. xii, **n. sp.**

Rhæsena apicalis, Borneo, SWINHOE, p. 143, Tr. ent. Soc. London 1904, **n. sp.**

Rhizagrotis socorro, p. 171, *salina*, p. 172, Arizona, BARNES, Canad. Ent. xxxvi, **n. spp.**

Rhynchagrotis scopeops, Brit. Columbia, DYAR, p. 31, Canad. Ent. xxxvi, **n. sp.**

Sarrothripus revayana var. n. *asiatica*, KRULIKOVSKY, p. 91, Rev. Russe Ent. iv.

Simplicia rectalis, autumnal var., FUCHS, p. 37, Jahrb. nassau. Ver. lvii.

Spirama sumbana, Sumba, p. 422, *kalaoensis*, Flores, p. 423, SWINHOE, Ann. Nat. Hist. xiv, **n. spp.**

Spragueia inversa, *margarita*, p. 163, *taragma*, *tarasca*, p. 164, S. America, SCHAUS, Tr. Amer. ent. Soc. xxx, **n. spp.**

Stellidia funerea, *nivosita*, *diana*, Parana, SCHAUS, p. 166, t. c. **n. spp.**

Stibadium ochoa, Arizona, p. 241, *manti*, Texas, p. 242, BARNES, Canad. Ent. xxxvi; *S. viridescens*, Mexico, SCHAUS, p. 153, Tr. Amer. ent. Soc. xxx : **n. spp.**

Strabea punctilinea, Parana, SCHAUS, p. 167, t. c. **n. sp.**

Tæniocampa communis, Brit. Columbia, DYAR, p. 32, Canad. Ent. xxxvi; *T. terminatissima*, New Mexico, DYAR, p. 104, P. ent. Soc. Washington vi; *T. alamosa*, Arizona, BARNES, p. 201, Canad. Ent. xxxvi : **n. spp.**

Tarache angularis, *triangularis*, *mediana*, *puella*, p. 158, *praxina*, *caterva*, *villica*, *violetta*, p. 159, *viridans*, *T.* ? *benita*, p. 160, S. America, *T.* ? *pyralina*, Mexico, p. 159, SCHAUS, Tr. Amer. ent. Soc. xxx, **n. spp.**

Thalpochares costagna, p. 161, *guarama*, *grisella*, *T.* ? *nigripalpis*, *lorna*, S. America, *T.* ? *mirella*, Mexico, p. 162, SCHAUS, t. c. **n. spp.**

Thermesia flavilineata, Bahamas, HAMPSON, Ann. Nat. Hist. xiv, p. 170, **n. sp.**

Thyria cræsita, *satana*, Parana, SCHAUS, p. 164, Tr. Amer. ent. Soc. xxx, **n. spp.**

Tornacontia, *mediatrix*, Arizona, DYAR, p. 62, P. ent. Soc. Washington vi, **n. sp.**

Toxocampa moellendorffi, Korea, HERZ, p. 318, pl. 1, fig. 1, Annuaire Mus. St. Petersb. ix, **n. sp.**

Toxophleps pallida, *T.* ? *bilinia*, S. E. Brazil, SCHAUS, p. 160, Tr. Amer. ent. Soc. xxx, **n. spp.**

Tricholita chipeta, Colorado, BARNES, p. 202, Canad. Ent. xxxvi, **n. sp.**

Trigonophora periculosa, early stages, DYAR, p. 871, P. U. S. Mus. xxvii.

Triphæna comes, broods and varr., PROUT, pp. 1–5, Ent. Rec. xvi.

Vestura **n. g.** *V. adeba* **n. sp.**, Singapore and Borneo, SWINHOE, p. 142, Tr. ent. Soc. London 1904.

Xerociris **n. n.** for *Ciris* Gr., COCKERELL, p. 76, Ent. News Philad. xv.

Xylina fletcheri, p. 56, *ancilla*, p. 57, *vertina*, *merceda*, p. 58, Canada, Oregon, SMITH, Psyche xi, **n. spp.**

Xylophasia unita, *enigra*, p. 54, *rorulenta*, p. 55, Calgary, SMITH, t. c. **n. spp.**

Zanclognatha ? *punctalis*, Korea, HERZ, p. 324, pl. i, fig. 9, Annuaire Mus. St. Petersb. ix, **n. sp.**

Zosteropoda hirtipes, early stages, DYAR, p. 866, P. U. S. Mus. xxvii.

GEOMETRIDÆ, EPIPLEMIDÆ, URANIIDÆ.

[Cf. CHRÉTIEN (275), DIETZE (380), DOGNIN (398, 399), DYAR (432), HAMPSON (653), HERZ (680, 680A), HIMSL (687), MEYRICK (947), OBERTHÜR (987), PEARSALL (1013), PROUT (1108), PÜNGELER (1110), REBEL (1122), ROTHSCHILD (1194), SWINHOE (1362, 1363), TAYLOR (1369), THIERRY-MIEG (1385), TURNER (1409, 1411), WARREN (1474–1477).]

Larvæ of French species, FRIONNET (555).

DYAR gives notes synonymical etc., on the Hulst collection for which reference must be made to P. ent. Soc. Washington vi, pp. 222–227.

Review, with changes and synonymy, of Hulst's classification of N. American *Geometridæ*, PEARSALL, pp. 208–210, Canad. Ent. xxxvi.

Revision of *Australian Geometridæ*, TURNER, P. Soc. Victoria xvi, synonymy not given in our pages.

Abraxas grossulariata var. n. *minor*, pl. i, fig. 17, p. 353, HERZ, Annuaire Mus. St. Petersb. ix; *A. marginata nigrounicolorata*, HAVERKAMPF, p. 187, pl. i, Ann. Soc. ent. Belgique xlviii.

A. macularia, Korea, HERZ, p. 354, pl. i, fig. 16, Annuaire Mus. St. Petersb. ix; *A. transvisata*, Peru, WARREN, p. 543, Nov. Zool. xi : **n. spp.**

Acidalia, varr. of European, FUCHS, p. 17, Soc. ent. xix; *A. deversaria* var. *laureata*, pl. ii, fig. 6, *A. diffluata* distinguished, FUCHS, p. 38, Jahrb. nassau. Ver. lvii; *A. immutata* var. n. *syriacata*, NEUBURGER, p. 115, Soc. ent. xix; *A. emutaria*, egg and young larva, SICH, p. 108, Entomologist 1904; *A. metohiensis*, p. 248, pl. v, fig. 15, REBEL, Ann. Hofmus. Wien xix.

A. cajanderi, p. 13, *anaïtaria*, p. 14, Lena, HERZ, Ofv. Finska Forh. xlv, No. 15, **n. spp.**

Acrosemia dichorda, Bahamas, HAMPSON, p. 177, Ann. Nat. Hist. xiv, **n. sp.**
Acrotomodes lichenifera, Peru, WARREN, p. 564, Nov. Zool. xi, **n. sp.**
Æschropteryx flexilinea, olivata, Mexico, WARREN, p. 128, t. c.; *Æ. præcurvata*, Paraguay, WARREN, p. 564, t. c. **n. spp.**
Agathia elenaria, Old Calabar, SWINHOE, p. 542, Tr. ent. Soc. London 1904; *A. pauper*, Warri, WARREN, p. 463, Nov. Zool. xi : **n. spp.**
Agia eborata ?= *Cysteopteryx viridata*, TAYLOR & DYAR, pp. 46, 47, J. N. York Ent. Soc. xii.
Agraptochlora pallida, p. 463, *rubriceps*, p. 464, Angola, WARREN, Nov. Zool. xi, **n. spp.**
Alcis huamani, Peru, DOGNIN, p. 363, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Aletis rubricaput, Gold Coast, SWINHOE, p. 578, Tr. ent. Soc. London 1904, **n. sp.**
Alex aurantiata, Obi, WARREN, p. 484, Nov. Zool. xi, **n. sp.**
Amaurinia expallidata, Trinidad, WARREN, p. 81, t. c.; *A. angulata, brunnea*, p. 525, *commixta*, p. 526, Peru, WARREN, t. c. : **n. spp.**
Ameria seminigra, Peru, WARREN, p. 81, t. c. **n. sp.**
Amraica superans var. n. *dubitans*, HERZ, p. 365, pl. i, fig. 14, Annuaire Mus. St. Petersb. ix.
Anapalta **n. g.** *Hydriomeninæ*, p. 43, *perdecora, roseoliva*, Bolivia, p. 44, *sombrera*, Peru, *violetta*, Bolivia, p. 45, **n. spp.**, WARREN, Nov. Zool. xi; *A. subfusca*, Peru, WARREN, p. 576, t. c. **n. sp.**; *A. ruficoesia*, Argentina, DOGNIN, p. 359, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Anisodes aurantiata, bipunctata, p. 27, Peru, *flavidiscata*, Huatuxco, *hieroglyphica*, p. 28, *imparistigma*, Peru, *magnidiscata*, Bolivia, p. 29, *mediolineata*, Peru, *ochricomata*, Santa Marta, p. 30, *rhodostigma*, Bolivia, *subænescens*, Peru, p. 31, *torsivena*, Bolivia, p. 32, WARREN, Nov. Zool. xi; *A. decorata*, p. 507, *fulgurata, gigantula*, p. 508, *maculidiscata, multipunctata*, p. 509, *pomidiscata, rufistigma, rufulata*, p. 510, Peru, WARREN, t. c. **n. spp.**
Anisolasia **n. g.** *Hydriomeninæ*, for *Cataclysme napassa* Dogn., WARREN, p. 46, Nov. Zool. xi.
Anisoperas adulta, Colombia, *A.* ? *aurantiaca*, Ecuador, *A. latibrunnea*, Peru, WARREN, p. 129, t. c.; *A. dentilineata*, Mexico, p. 564, *olivata*, Bolivia, *undilinea*, Argentina, p. 565, WARREN, t. c. : **n. spp.**
Aphilopota ambusta, Angola, WARREN, p. 472, t. c. **n. sp.**
Apicia, distinguished from *Caberodes*, *A. fractilineata* ♂, *A. subfasciata* ab. nov. *obscurata*, WARREN, p. 130, t. c.; *A.*, cf. *Loxapicia*, *Mesedra*.
A. bottgeri, Peru, *citrina*, Venezuela, WARREN, p. 566, Nov. Zool. vi, **n. spp.**
Apiciopsis **n. g.** near *Apicia*, *A. angusta*, Peru, *obliquaria*, Bolivia, **n. spp.**, WARREN, p. 131, t. c.
Aplodes darwinata, life-history, DYAR, p. 121, Psyche xi.
A. punctata, Jamaica, WARREN, p. 19, Nov. Zool. xi, **n. sp.**
Aplogompha aurifera, Peru, THIERRY-MIEG, p. 182, Naturaliste 1904, **n. sp.**
Aplorama **n. g.** type *Byssodes nazada* Druce, WARREN, p. 91, Nov. Zool. xi.
Archichlora marcescens, Niger, WARREN, p. 465, t. c. **n. sp.**
Argyrotome ferruginea var. n. *albinata*, WARREN, p. 93, t. c.
Arhodia modesta, Townsville, WARREN, p. 485, t. c. **n. sp.**
Asestra ustularia, Bolivia, WARREN, p. 132, t. c. **n. sp.**
Asthena euthecta, Brisbane, TURNER, p. 243, P. Soc. Victoria xvi, **n. sp.**
Astyochia membranacea, Peru, WARREN, p. 545, Nov. Zool. xi; *A. sublituratа*, Peru, DOGNIN, p. 120, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Atossa alpherakii, Korea, HERZ, p. 376, pl. i, fig. 8, Annuaire Mus. St. Petersb. ix, **n. sp.**
Axiodes, def. amended, WARREN, p. 480, Nov. Zool. xi.
A. ennomaria, S. Africa, id. l. c. **n. sp.**
Azelina nigra, Bolivia, p. 132, *ochriscripta*, Peru, p. 133, WARREN, t. c.; *A. albisecta*, p. 566, *coronata*, p. 567, Peru, WARREN, t. c.; *A. vulpecula*,

Peru, DOGNIN, p. 369, Ann. Soc. ent. Belgique xlviii; *A. notodontina*, Peru, THIERRY-MIEG, p. 183, Naturaliste 1904 : **n. spp.**

Bassania fortis, Peru, WARREN, p. 567, Nov. Zool. xi, **n. sp.**

Betulodes **n. g.** for *Amphidasys crebraria* Gn., THIERRY-MIEG, p. 183, Naturaliste 1904.

Biston calaria, E. Africa, SWINHOE, p. 527, Tr. ent. Soc. London 1904, **n. sp.**

Blechroma conflua, *conspersa*, p. 502, *nigricincta*, p. 503, Peru, WARREN, Nov. Zool. xi, **n. spp.**

Boarmia consortaria var. n. *marginata*, HERZ, p. 372, pl. i, fig. 6, Annuaire Mus. St. Petersb. ix ; *B. selenaria*, larval habits, STEBBING, p. 154, pl. xviii *b*, J. Linn. Soc. London xxix.

B. dribaria, Madagascar, p. 532, *ugandaria*, Africa, p. 533, SWINHOE, Tr. ent. Soc. London 1904 ; *B. cilicornaria*, Nikko, PÜNGELER, p. 296, pl. vi, fig. 15, Deutsche ent. Zeitschr. Iris xvi ; *B. aroensis*, New Guinea, pl. iii, fig. 29, p. 322, ROTHSCHILD, Nov. Zool. xi : **n. spp.**

Bonatea viridilinea, Peru, WARREN, p. 568, Nov. Zool. xi ; *B. maculata*, Bolivia, DOGNIN, p. 367, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Bordeta aroensis, New Guinea, pl. iii, fig. 37, p. 319, ROTHSCHILD, Nov. Zool. xi, **n. sp.**

Brachyctenistis **n. g.** *Ennominæ*, p. 133, *B. undilinea* **n. sp.**, Peru, p. 134, WARREN, Nov. Zool. xi.

Brachystichia **n. g.** near *Apicia*, *B. nitida* **n. sp.**, Paraguay, WARREN, p. 134, t. c.

Brachytrita **n. g.** *Orthostixinæ*, *B. cervinaria* **n. sp.**, E. Africa, SWINHOE, p. 576, Tr. ent. Soc. London 1904.

Brabirodes **n. g.** *Tephroclystiinæ*, *B. peruviana* **n. sp.**, Peru, WARREN, p. 528, Nov. Zool. xi.

Bronchelia fumistrota, Peru, WARREN, p. 550, t. c. **n. sp.**

Bryoptera bisignata, p. 106, *canidentata*, p. 107, Peru, WARREN, t. c. ; *B. ruficana*, *viridirufa*, Peru, WARREN, p. 551, t. c. : **n. spp.**

Buttia **n. g.** *Prosopolophinæ*, *B. noctuodes* **n. sp.**, S. Africa, WARREN, p. 481, t. c.

Cabira lignicolor, Peru, WARREN, p. 125, t. c. **n. sp.**

Callipia aurata, Colombia, p. 79, *flagrans*, *occulta*, Peru, p. 80, WARREN, t. c. ; *C. admirabilis*, p. 538, *languescens*, p. 539, Peru, WARREN, t. c. ; *C. paradisea*, *rosetta*, Peru, THIERRY-MIEG, p. 140, Naturaliste 1904 : **n. spp.**

Callipona **n. g.** near *Xenographia*, *C. metabolis* **n. sp.**, Queensland, TURNER, p. 236, Tr. R. Soc. S. Austral. xxviii.

Callipseustes strigosa, *subsignata*, Bolivia, WARREN, p. 116, Nov. Zool. xi, **n. spp.**

Callygris **n. g.** for *junctilineata* and *compositata* Walk., THIERRY-MIEG, p. 141, Naturaliste 1904.

Calocalpe mochica, p. 361, *chimu*, p. 362, Peru, DOGNIN, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Calyptocome conversa, *fragmentata*, Brit. Guiana, p. 32, *inornata*, Venezuela, p. 33, WARREN, Nov. Zool. xi, **n. spp.**

Cambogia anguinata, *antiopata*, Bolivia, *bellissima*, p. 82, *delicatula*, *flavifulva*, p. 83, *funiculata*, *griseicosta*, p. 84, *lilacina*, Peru, *intacta*, Ecuador, p. 85, WARREN, t. c. **n. spp.**

Campylona contingens, Ecuador, WARREN, p. 14, t. c. ; *C. brunnea*, Maripa, WARREN, p. 500, t. c. : **n. spp.**

Caradrinopsis **n. g.** *C. obscuraria* **n. sp.**, E. Africa, SWINHOE, p. 534, Tr. ent. Soc. London 1904.

Caripeta interalbicans, Colorado, WARREN, p. 135, Nov. Zool. xi, **n. sp.**

Catascia haydenata ab. nov. *obliterata*, WARREN, p. 115, t. c.

Celerena substigmaria, Obi, WARREN, p. 485, t. c. **n. sp.**

Certima nummifera to *Oenothalia*, WARREN, p. 559, t. c.

C. canisparsa, Peru, p. 135, *delectans*, *nubifera*, *pallidifrons*, Bolivia, p. 136, WARREN, t. c. ; *C. ambusta*, p. 568, *bottgeri*, p. 569, Peru, WARREN, t. c. : **n. spp.**

Chesias spartiata var. n. *capriata*, PROUT, p. 60, Entomologist 1904.

Chlorochæta **n. g.** *Geometrinæ*, *C. longipennis* **n. sp.**, Niger, WARREN, p. 464, Nov. Zool. xi.

Chloroclystis fulminea Dogn. to *Ischnopteris*, description, WARREN, p. 118, t. c.

C. sierraria, W. Africa, SWINHOE, p. 573, Tr. ent. Soc. London 1904 ; *C. metallospora*, p. 231, *cissocosma*, *mniochroa*, p. 232, *guttifera*, p. 233, *gonias*, *ablechra*, p. 234, Australia, TURNER, P. Soc. Victoria xvi ; *C. microptilota*, Peru, WARREN, p. 86, Nov. Zool. xi : **n. spp.**

Chogada acaciaria abb. n. *flavipeta*, *fumata*, WARREN, p. 474, t. c.

Chrysocraspeda rothschildi (1903), pl. iii, fig. 31, p. 322, ROTHSCHILD, Nov. Zool. xi.

C. leighata, Durban, WARREN, p. 466, Nov. Zool. xi ; *C. latiflavaria*, p. 562, Nyassaland, *zearia*, *doricaria*, p. 563, *planaria*, p. 564, Madagascar, SWINHOE, Tr. ent. Soc. London 1904 : **n. spp.**

Cidariophanes mamestrina, Peru, WARREN, p. 556, Nov. Zool. xi, **n. sp.**

Cimicodes ruptimacula, Bolivia, WARREN, p. 137, t. c. **n. sp.**

Cleora umbrosaria, characters and position, TAYLOR, p. 135, Canad. Ent. xxxvi.

C. gracilis, Jamaica, WARREN, p. 107, Nov. Zool. xi, **n. sp.**

Cnephora facula, Peru, DOGNIN, p. 368, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Codonia quercimontaria and *punctaria* varr., *C. porata* var. *visperaria*, FUCHS, p. 40, Jahrb. nassau. Ver. lvii.

Cœnina dentataria, Abyssinia, SWINHOE, p. 513, Tr. ent. Soc. London 1905, **n. spp.**

Cœnocalpe elongata, Peru, DOGNIN, p. 360, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Colpodonta phyllodontaria, Peru, WARREN, p. 569, Nov. Zool. xi, **n. sp.**

Comibœna flavidisca, Peru, WARREN, p. 20, t. c. **n. sp.**

Cophocerotis instar, Peru, DOGNIN, p. 362, Ann. Soc. ent. Belgique xlviii ; *C. argentistriga*, *ebria*, p. 539, *margaritacea*, *submuscosa*, p. 540, Peru, WARREN, Nov. Zool. xi : **n. spp.**

Coptopteryx nigraria, W. Africa, SWINHOE, p. 544, Tr. ent. Soc. London 1904, **n. sp.**

Coremia ferrugata var., WOODBRIDGE, p. 10, cut p. 9, Entomologist 1904.

Cosymbia anandaria, Trop. Africa, SWINHOE, p. 561, Tr. ent. Soc. London 1904, **n. sp.**

Craspedia cymiphora, Bahamas, HAMPSON, p. 179, Ann. Nat. Hist. xiv ; *C. atridiscata*, p. 33, *conduplicata*, Bolivia, *deaurata*, Ecuador, *dorsinigrata*, Peru, p. 34, *internexata*, Ecuador, *trias* with var. *tincta*, S. America, p. 35, *trygodata*, Bolivia, p. 36, WARREN, Nov. Zool. xi : **n. spp.**

Cratoptera subcitrina, Peru, WARREN, p. 137, t. c. **n. sp.**

Crocopteryx aurora, Peru, WARREN, p. 570, t. c. **n. sp.**

Cryptoloba dentifascia, India, WARREN, p. 489, t. c. **n. sp.**

Cryptoscopa **n. g.** *C. aprepes* **n. sp.**, Queensland, TURNER, p. 238, Tr. R. Soc. S. Austral. xxviii.

Cusiala ? pulverosa, Natal, WARREN, p. 472, Nov. Zool. xi, **n. sp.**

Cyllopoda chibcha ab. n. *cuneifera*, WARREN, p. 15, t. c.

C. angustistriga, Peru, WARREN, l. c. **n. sp.**

Cymatophora commaculata Warren, to *Melanoscia*, WARREN, p. 555, Nov. Zool. xi.

C. matilda, British Columbia, DYAR, p. 907, P. U. S. Mus. xxvii ; *C.? chanchani*, Peru, DOGNIN, p. 364, Ann. Soc. ent. Belgique xlviii ;

C. dislocata, Peru, *muscosa*, Ecuador, WARREN, p. 108, Nov. Zool. xi; *C. modesta*, Paraguay, p. 552, *reducta*, *striata*, Peru, p. 553, WARREN, t. c.: **n. spp.**

Darna rubriplaga, Ecuador, *volitans*, Peru, WARREN, p. 15, t. c.; *D. flammifera*, p. 500, *prælata*, p. 501, Peru, WARREN, t. c.: **n. spp.**

Dasysterna **n. g.** near *Dasyuris* for *Phytometra tristis* Butl., TURNER, p. 277, P. Soc. Victoria xvi.

Dasyuris cæsia, p. 278, *hedylepta*, p. 279, Victoria, TURNER, t. c. **n. sp.**

Deilinia acrocosma, Queensland, p. 236, *catharodes*, Hobart, p. 237, TURNER, Tr. R. Soc. S. Austral. xxviii, **n. spp.**

Deinopygia **n. g.** near *Ptychopoda*, *D. caudata* **n. sp.**, Venezuela, WARREN, p. 511, Nov. Zool. xi.

Devara, cf. *Emplocia*.

Devarodes **n. g.** *Braccinæ*, *D. albibasis*, p. 96, *semialbata*, Peru, *vestigiata*, Bolivia, p. 97, **n. spp.**, WARREN, Nov. Zool. xi; *D. subtincta*, Peru, WARREN, p. 544, t. c. **n. sp.**

Diactinia albinodosa, Peru, WARREN, p. 46, t. c. **n. sp.**

Diceratucha **n. g.** for *Œnone xenopis* Low., SWINHOE, p. 133, Ann. Nat. Hist. xiv.

Dichorda obliquata, *perpendiculata*, Mexico, WARREN, p. 503, Nov. Zool. xi, **n. spp.**

Dichromatopodia distans, Santa Marta, WARREN, p. 36, t. c. **n. spp.**

Diploctena **n. g.** near *Xanthorhoe*, *D. argocyma* **n. sp.**, Victoria, TURNER, p. 269, P. Soc. Victoria xvi.

Dolichopyge canioparsa, Ecuador, p. 46, *fulvistriga*, Bolivia, p. 47, WARREN, Nov. Zool. xi, **n. spp.**

Drepanodes fulvilinea, Peru, WARREN, p. 138, t. c. **n. sp.**

Drucia latimargo, Peru, WARREN, p. 20, t. c. **n. sp.**

Durbana **n. g.** for *Fidonia setinata* Feld., WARREN, p. 470, t. c.

Dyscia Hub. = (*Scodiona* auctt.), WARREN, p. 476, t. c.

D. incondita, *perplexata*, S. Africa, id. l. c. **n. spp.**

Dysphania chrysocraspedata, p. 485, *deflavata*, p. 486, Sumatra, WARREN, t. c. **n. spp.**

Dyspteris parvula, Brit. Guiana, WARREN, p. 527, t. c. **n. sp.**

Ectropis subaurata to *Myrioblephara*, WARREN, p. 475, t. c.

E. nacaria, Ashanti, SWINHOE, p. 530, Tr. ent. Soc. London 1904; *E.? fulvitincta*, Durban, WARREN, p. 474, Nov. Zool. xi; *E. hemiprosopa*, Queensland, TURNER, p. 230, Tr. R. Soc. S. Austral. xxviii: **n. spp.**

Elphos picaria, Celebes, WARREN, p. 490, Nov. Zool. xi, **n. sp.**

Emmiltis (*Craspedia*) *magnidiscata*, Angola, p. 466, *mombasæ*, E. Africa, p. 467, WARREN, t. c.; *E.* (*Craspedia*) *cinerosaria*, *convergens*, *perfumosa*, Peru, WARREN, p. 512, t. c.; *E. fumosaria*, p. 554, *sinuaria*, *caducaria*, *vitiosaria*, *peararia*, p. 556, Trop. Africa, *roezaria*, Madagascar, p. 557, *cassiaria*, Masai, p. 558, SWINHOE, Tr. ent. Soc. London 1904: **n. spp.**

Emplocia = (*Devara* Walk.), WARREN, p. 96, Nov. Zool. xi.

E. coliadata, Peru, WARREN, p. 97, t. c. **n. sp.**

Encoma **n. g.** *irisaria* **n. sp.**, Uganda, SWINHOE, p. 523, Tr. ent. Soc. London 1904.

Encryphia **n. g.** *argillina* **n. sp.**, Queensland, TURNER, p. 228, Tr. R. Soc. S. Austral. xxviii.

Ennomos, cf. *Tmetomorpha*.

Entogonia **n. g.** *Œnochrominæ*, *E. schistacea* **n. sp.**, Bolivia, WARREN, p. 12, Nov. Zool. xi.

Ephialtas fornax ab. n. *latimargo*, WARREN, p. 16, t. c.

Epiplema commixtata, *pallifrons*, p. 2, *rectilinea*, p. 3, *rostrifera*, *scabra*, p. 4, *vulpecula*, p. 5, Peru, WARREN, t. c.; *E. dohertyi*, *semipicta*,

Mombasa, WARREN, p. 462, t. c.; *E. lucisquamata*, Peru, WARREN, p. 494, t. c. : **n. spp.**

Epirrhoë heliopharia, Uganda, SWINHOE, p. 569, Tr. ent. Soc. London 1904; *E. limitata*, Peru, WARREN, p. 517, Nov. Zool. xi : **n. spp.**

Episothalma kabaria, W. Africa, SWINHOE, p. 541, Tr. ent. Soc. London 1904, **n. sp.**

Erateina cœruleopicta, Peru, WARREN, p. 536, Nov. Zool. xi, **n. sp.**

Erebochlora ruficostaria ab. n. *semifumata*, WARREN, p. 517, t. c.

E. ruficostaria with var. *pernigrata*, p. 47, *sublactea*, p. 48, Peru, WARREN, t. c. **n. spp.**

Erilophodes indistincta, Santa Marta, WARREN, p. 173, t. c. **n. sp.**

Eriopygidia isolata Kaye (as *Arima*)=(*engelkei* Warr.), p. 517, *E. rufivena* ♀, p. 518, WARREN, t. c.

E. engelkei, Santa Marta, *locuples*, p. 49, *rufivena*, p. 50, Peru, WARREN, t. c.; *E. nigrirubrata*, Peru, WARREN, p. 518, t. c.; *E. subignea*, p. 359, *flavisquamata*, p. 360, S. America, DOGNIN, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Erosia dilacerata Guen. to *Gathynia*, WARREN, p. 495, Nov. Zool. xi.

Eubolia semilutata ab. n. *fuscata*, HERZ, p. 374, pl. i, fig. 15, Annuaire Mus. St. Petersb. ix.

Eubordeta **n. g.** *E. meeki*, pl. iii, fig. 27, *eichhorni*, figg. 32, 33, *miranda*, fig. 34, New Guinea, **n. spp.** and including *Bord. hypocala*, pl. iii, fig. 26, ROTHSCHILD, Nov. Zool. xi.

Eucestia neddaria, Uganda, SWINHOE, p. 574, Tr. ent. Soc. London 1904, **n. sp.**

Euchloris periphracta, p. 219, *argosticta*, *tanygona*, p. 220, *thalassica*, *leucospilata*, p. 221, *callisticha*, p. 222, Australia, TURNER, Tr. R. Soc. S. Austral. xxviii; *E. heterospila*, Bahamas, HAMPSON, p. 178, Ann. Nat. Hist. xiv : **n. spp.**

Euchontha commixta, *memor*, Peru, WARREN, p. 16, Nov. Zool. xi, **n. spp.**

Eucymatoge peplodes, p. 247, *scotodes*, p. 248, Queensland, TURNER, P. Soc. Victoria xvi; *E. ochrosoma*, Peru, WARREN, p. 86, Nov. Zool. xi; *E. albirivata*, p. 528, *decorata*, *longipennata*, p. 529, Peru, WARREN, t. c.: **n. spp.**

Eudule flavinota, *malefida*, S. America, WARREN, p. 81, t. c.; *E. arctiata*, *simulans*, Peru, WARREN, p. 541, t. c. : **n. spp.**

Eugivira flavescens, San Salvador, *gemina*, Merida, DOGNIN, p. 122, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Eulype albifusa, Philippines, SWINHOE, p. 134, Ann. Nat. Hist. xiv, **n. sp.**

Eumilionia **n. g.** for *Milionia mediofasciata*, THIERRY-MIEG, p. 183, Naturaliste 1904.

Euomœa carneata, S. Africa, WARREN, p. 481, Nov. Zool. xi, **n. sp.**

Eupagia nigerrima, Abyssinia, SWINHOE, p. 526, Tr. ent. Soc. London 1904, **n. sp.**

Eupithecia; DIETZE figures and notices many varr. of Palæarctic, in addition to the n. spp. mentioned below, Deutsche ent. Zeitschr. Iris xvi, pp. 362–387, pls. iii, iv, v.

E. cooptata, pl. iv, figg. 24–27, South France, p. 335, *vacuata*, p. 336, pl. iii, fig. 2, *rubellata*, figg. 3–5, p. 337, Centr. Asia, *dæmoniata*, Japan, fig. 9, p. 339, *chesiata*, p. 340, figg. 13, 14, *diffisata*, p. 342, fig. 15, *vicariata*, p. 343, fig. 17, with var. *adjunctata*, p. 344, fig. 18, *relictata*, p. 345, fig. 19, *assectata*, p. 346, figg. 20, 21, Centr. Asia, *novata*, Taurus, p. 348, fig. 22, *recens*, p. 349, fig. 26, *scortillata*, p. 351, fig. 28, sp. ? fig. 29, p. 352, *extinctata*, p. 356, fig. 33, *illaborata*, fig. 34, p. 357, Centr. Asia, *dearmata*, Mesopotamia, p. 358, fig. 35, *laterata*, pl. iv, fig. 28, *concremata*, fig. 29, p. 360, Centr. Asia, DIETZE, Deutsche ent. Zeitschr. Iris xvi, **n. spp.**

Eusenea castanea, Peru, WARREN, p. 570, Nov. Zool. xi, **n. sp.**

Eustroma nubilata, life-history, DYAR, p. 29, Psyche xi.
Eutomopepla fulgorifera, Bolivia, WARREN, p. 139, Nov. Zool. xi ; *E. brunnea*, Bolivia, DOGNIN, p. 367, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Exelis extorris, Natal, WARREN, p. 482, Nov. Zool. xi ; *E.? fumida*, Colorado, WARREN, p. 581, t. c. **n. sp.**
Fisera perplexata = (*Criomacha belidearia* Feld.), WARREN, p. 492, Nov. Zool. xi.
Fulgurodes subnotata, Peru, WARREN, p. 545, t. c. **n. sp.**
Gabriola **n. g.** *Ennominæ*, p. 255, *G. dyari* **n. sp.**, Vancouver, p. 256, TAYLOR, Canad. Ent. xxxvi.
Gagitodes plumbinotata, Peru, WARREN, p. 519, Nov. Zool. xi, **n. sp.**
Gastrina Guen. = (*Passa* Walk.), *G. serrata* Walk. (as *Xylina*) = (*denticulata* Swinh.), SWINHOE, p. 133, Ann. Nat. Hist. xiv.
G. catasticta, Queensland, TURNER, p. 237, Tr. R. Soc. S. Austral. xxviii, **n. sp.**
Gelasma stigmatica, Peru, WARREN, p. 20, Nov. Zool. xi, **n. sp.**
Geolyces rufaria, Old Calabar, SWINHOE, p. 519, Tr. ent. Soc. London 1904, **n. sp.**
Gnophos obscurata var. n. *mediorhenana*, pl. ii, fig. 13, p. 41, FUCHS, Jahrb. nassau. Ver. lvii ; *G. lineolaria* ♀, pl. vi, fig. 21, p. 300, PÜNGELER, Deutsche ent. Zeitschr. Iris xvi ; *G. obfuscata*, *glaucinaria*, distinctions, PROUT, p. 121, Ent. Rec. xvi ; *G. pentheri*, p. 282, pl. v, fig. 19, REBEL, Ann. Hofmus. Wien xix.
G. orbicularia, p. 297, pl. vi, fig. 16, *exsuctaria*, p. 298, fig. 17, Issyk-kul, PÜNGELER, Deutsche ent. Zeitschr. Iris xvi, **n. spp.**
Gonanticlea subpilosa, Batjan, WARREN, p. 488, Nov. Zool. xi, **n. sp.**
Gonochlora **n. g.** near *Iodis*, *G. minutaria* **n. sp.**, Sierra Leone, SWINHOE, p. 548, Tr. ent. Soc. London 1904.
Gonodela leighi, Durban, *interlineata*, p. 478, *transvisata*, p. 479, Angola, WARREN, Nov. Zool. xi, **n. spp.**
Gonodontis bidentata var. n. *exsul*, TSCHETVERIKOV, p. 78, Rev. Russe Ent. iv.
G. azelinaria, p. 526, *æmoniaria*, p. 527, Trop. Africa, SWINHOE, Tr. ent. Soc. London 1904, **n. sp.**
Grammicopteryx **n. g.** for *Larentia anthocharidaria* Oberth., THIERRY-MIEG, p. 183, Naturaliste 1904.
Gymnoscelis lophopus, p. 224, *delocyma*, p. 226, *acidna*, p. 227, Australia, TURNER, P. Soc. Victoria xvi, **n. spp.**
Gyostega **n. g.** *Palyadinæ*, p. 93, *G. floccosa* **n. sp.**, Peru, p. 94, WARREN, Nov. Zool. xi.
Habrosyne scripta, early stages, DYAR, p. 885, P. U. S. Mus. xxvii.
Hæmalea atridiscata, Peru, WARREN, p. 37, Nov. Zool. xi, **n. sp.**
Haggardia **n. g.** for part of *Eubyja*, with *H. melanostigma* **n. sp.**, Angola, WARREN, p. 473, t. c.
Hammaptera æruginata, Bolivia, *apicata*, p. 51, *nigrolineata*, Paraguay, *cacuminata*, Peru, p. 52, *subalbata*, Bolivia, p. 53, WARREN, t. c. **n. spp.**
Hemerophila mailaria, Congo, SWINHOE, p. 535, Tr. ent. Soc. London 1904 ; *H. brunnearia*, Korea, HERZ, p. 367, pl. i, fig. 5, Annuaire Mus. St. Petersb. ix ; *H. alpinella*, p. 746, *kincaidiella*, p. 747, Brit. Columbia, BUSCK, P. U. S. Mus. xxvii : **n. spp.**
Hemicopsis **n. g.** p. 525, *H. purpuraria* **n. sp.**, E. Africa, p. 526, SWINHOE, Tr. ent. Soc. London 1904.
Hemigymnodes, characters and position, WARREN, p. 17, Nov. Zool. xi.
Hemioplisis ? alternata, Peru, p. 5, *metallica*, Trinidad, p. 6, WARREN, t. c. **n. spp.**
Hemithea sapoliaria, Mombasa, SWINHOE, p. 547, Tr. ent. Soc. London 1904, **n. sp.**

Hemixera **n. g.** *Ennominæ*, *H. orthosioides* **n. sp.**, Peru, WARREN, p. 139, Nov. Zool. xi.
Herbita æmula, *cervina*, Mexico, WARREN, p. 140, t. c. **n. spp.**
Hetererannis **n. g.** type *Boarmia obliquaria* Grote, WARREN, p. 106, t. c.
Heterephyra pustulata, Peru, WARREN, p. 37, t. c. **n. sp.**
Heterorachis rubella, Niger, WARREN, p. 465, t. c. **n. sp.**
Heteroleuca **n. g.** *Nephodiinæ*, *H. albida* **n. sp.**, Peru, WARREN, p. 101, t. c.
Heterolocha xerophilaria, Ain-Dschidi, PÜNGELER, p. 295, pl. vi, fig. 13, Deutsche ent. Zeitschr. Iris xvi, **n. sp.**
Heterusia amplificata, Peru, *fractifascia*, *liturata*, Ecuador, p. 89, *ludisignata*, *subspurcata*, p. 90, *thyridata*, p. 91, Peru, WARREN, Nov. Zool. xi; *H. binotata* with var. *suffusa*, p. 536, Peru, *clarimargo*, Costa Rica, *tessellata*, Peru, p. 537, WARREN, t. c.; *H. picata*, Bolivia, DOGNIN, p. 120, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Heterusia, see also *Bombyces*.
Himeromima **n. g.** for *Mecoceras aulis* Druce, WARREN, p. 141, Nov. Zool. xi.
Hirasa? *denticulata*, Natal, WARREN, p. 473, t. c. **n. sp.**
Homospora **n. g.** near *Arrhodia*, p. 229, *H. procrita* **n. sp.**, Townsville, p. 230, TURNER, Tr. R. Soc. S. Austral. xxviii.
Hyalopola **n. n.** for *Hyalospila* Warr., WARREN, p. 101, Nov. Zool. xi.
Hyalorrhoë **n. g.** near *Prohydata*, *H. stigmatica* **n. sp.**, Costa Rica, WARREN, p. 21, Nov. Zool. xi.
Hydata diaphana, Peru, WARREN, p. 86, t. c. **n. sp.**
Hydatocapnia subapicata, Niger, WARREN, p. 469, t. c. **n. sp.**
Hydatoscia **n. g.** type *Trygodes ategna* Druce, WARREN, p. 101, t. c.
Hydriomena, cf. *Rhodomena*.
Hydriomena psarodes, p. 253, *callima*, p. 257, *trissophrica*, p. 259, *crocota*, p. 261, *plagiocausta*, p. 263, *arachnitis*, p. 264, *plesia*, *loxocyma*, p. 265, Australia, TURNER, P. Soc. Victoria xvi; *H. ochreiplaga*, Colombia, WARREN, p. 53, Nov. Zool. xi; *H. scalata*, Oregon, WARREN, p. 519, t. c. : **n. spp.**
Hygrochroma flexilinea, p. 141, *subusta*, p. 142, Peru, WARREN, t. c.; *H. catenulata*, Bolivia, WARREN, p. 571, t. c. : **n. spp.**
Hylemera auridisca, p. 471, *capitifera*, p. 472, Niger, WARREN, t. c. **n. spp.**
Hymenomima carneata, *rufata*, p. 109, *schisticolor*, p. 110, Peru, WARREN, t. c. **n. spp.**
Hyperitis triangulifera, p. 64, *H. amicaria*, p. 65, life-histories, DYAR, Psyche xi.
Hyperythra rubricata not a var. of *lutea*, ab. n. *decolor*, WARREN, p. 491, Nov. Zool. xi.
Hyphedyle subornata, Peru, WARREN, p. 499, t. c. **n. sp.**
Hyphenophora æmonia, Uganda, SWINHOE, p. 498, Tr. ent. Soc. London 1904, **n. sp.**
Hypochrosis ætionaria, Madagascar, SWINHOE, p. 522, t. c. **n. sp.**
Hypolepis **n. g.** near *Psaliodes*, *H. albistriga*, p. 54, *castanea*, *conspersata*, *plumbescens*, p. 55, *prunicolor*, *sordida*, p. 56, *strigosa*, p. 57, **n. spp.**, Peru, WARREN, Nov. Zool. xi; *H. brunneata*, *completa*, Peru, WARREN, p. 520, t. c. **n. spp.**
Hypometalla **n. g.** for *Acidalia mimetaria* Feld., WARREN, p. 563, t. c.
Hyposidra smithi, Congo, WARREN, p. 480, t. c. **n. sp.**
Ira dislocata, p. 142, *funerea*, *igniplaga*, p. 143, *ochriplaga*, *opalizaas*, p. 144, Peru, *somnolenta*, Colombia, *viridirufa*, Peru, p. 145, WARREN, t. c. **n. spp.**
Iridopsis schistacea ab. n. *radiata*, WARREN, p. 554, t. c.
I. alternata, p. 553, *striata*, p. 554, WARREN, t. c.; *I. candidata*, Bolivia, p. 110, *schistacea*, Peru, p. 111, WARREN, t. c.; *I. commixtata*,

Tucuman, DOGNIN, p. 121, Ann. Soc. ent. Belgique xlviii ; *I. rectura*, p. 363, *obliquata*, p. 364, Argentina, DOGNIN, t. c. : **n. spp.**

Ischnopteris abnormipalpis, p. 116, *albiguttata*, *fidelis*, p. 117, *oppositata*, p. 118, Peru, WARREN, Nov. Zool. xi ; *I. albipennis*, p. 556, *discolor*, *festiva*, p. 557, *prœluteata* with ab. n. *albirupta*, *viridifascia*, p. 558, Peru, WARREN, t. c. : **n. spp.**

Ischnopteryx viriosa, Peru, DOGNIN, p. 365, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Isochromodes atristicta with ab. *dissipata*, p. 146, *auxilians* with var. *denotata*, p. 147, *crassa*, *fraterna*, p. 148, *grisea*, *latifascia*, p. 149, *pallidifimbria*, *palumbata*, p. 150, *terminata*, *vestigiata*, p. 151, Peru, WARREN, Nov. Zool. xi ; *I. duplicata*, *maculosata*, p. 572, *miniata*, p. 573, Peru, WARREN, t. c. : **n. spp.**

Isodiscodes **n. g.** *Hydriomeninæ*, *I. polycyma* **n. sp.**, Peru, WARREN, p. 521, t. c.

Josia erectistria, *longistria*, Ecuador, p. 17, *vulturata*, Peru, p. 18, WARREN, t. c. **n. spp.**

Lampropteryx trilineata, Colorado, WARREN, p. 57, t. c. **n. sp.**

Larentiidæ, review of variation in, PROUT, pp. 151–156, Entomologist 1904.

Larentia multistrigaria varr., TUTT, pp. 303–305, Ent. Rec. xvi ; *L. corydalaria* var. n. *bogumilaria*, REBEL, p. 267, pl. v, figg. 16, 17, Ann. Hofmus. Wien xix ; *L. badiata* var. n. *alpestris*, NEUBURGER, p. 20, Soc. ent. xix ; *L. corylata* var. n. *albida*, HERZ, p. 17, Ofv. Finska Forh. xlv, No. 15 ; *L. infidaria*, pl. iii, figg. 33–35, p. 68, *lœtaria*, fig. 36, *larentiaria*, p. 71, fig. 37, *cyanata*, figg. 38, 39, OBERTHÜR, Études comp. i.

L. expiata, Aksu, p. 292, pl. vi, fig. 9, *defricata*, Nikko, p. 293, fig. 10, *occata*, fig. 11, *querulata*, fig. 12, p. 294, Centr. Asia, PÜNGELER, Deutsche ent. Zeitschr. Iris xvi, **n. spp.**

Lasiops ? *puechi*, Peru, DOGNIN, p. 368, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Leucoctenorrhoë **n. g.** near *Amaurinia*, p. 526, *L. quadrilinea* **n. sp.**, Peru, p. 527, WARREN, Nov. Zool. xi.

Leucolithodes **n. g.** for *Bryoptera pantherata* Feld., WARREN, p. 582, t. c.

Leuconotha persordida, Bolivia, WARREN, p. 6, t. c. **n. sp.**

Leucoreas **n. g.** *Œnochrominæ*, p. 12, *L. rhodosticta* **n. sp.**, Peru, p. 13, WARREN, t. c.

Leuculopsis bilineata, Peru, WARREN, p. 101, t. c. ; *L. approximans*, Peru, DOGNIN, p. 362, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Lignyoptera thaumasturia, p. 278, pl. v, fig. 18, REBEL, Ann. Hofmus. Wien xix.

Ligonia bottgeri, Peru, WARREN, p. 513, Nov. Zool. xi, **n. sp.**

Lipomelia scintillans, Brit. Guiana, p. 37, *subfuscata*, Bolivia, p. 38, WARREN, t. c. **n. spp.**

Lissochlora flavilimes, Peru, WARREN, p. 21, t. c. ; *L. punctata*, St. Lucia, WARREN, p. 504, t. c. : **n. spp.**

Lomographa acutipennis, *albifrons*, S. America, WARREN, p. 92, t. c. **n. spp.**

Lophochorista **n. g.** near *Hydata*, for *Racheospila calliope* Druce, WARREN, p. 22, t. c.

Lophopygia **n. g.** near *Lophotosoma*, *L. griseata* **n. sp.**, Peru, WARREN, p. 495, t. c.

Lophotosoma **n. g.** near *Epiplema*, *L. ustanalis* **n. sp.**, Peru, WARREN, p. 7, t. c.

Loxapicia **n. g.** for part of *Apicia*, *L. humerata*, Bolivia, *straminea*, Ecuador, **n. spp.**, WARREN, p. 152, t. c.

Loxaspilates bluethgeni, Nikko, PÜNGELER, p. 299, pl. vi, fig. 19, Deutsche ent. Zeitschr. Iris xvi, **n. sp.**

Lozogramma carneata, *erubescens*, *sinuata*, Colorado, WARREN, p. 561, Nov. Zool. xi, **n. spp.**

Luxiaria pudens, Niger, SWINHOE, p. 504, Tr. ent. Soc. London 1904, **n. sp.**
Lycauges dapharia, p. 552, *sevandaria*, *erinaria*, *commaria*, p. 553, Trop. Africa, SWINHOE, t. c. **n. spp.**
Lygris prunata var. n. *digna*, THIERRY-MIEG, p. 141, Naturaliste 1904.
Macaria minorata var. n. *incolorata*, DYAR, p. 906, P. U. S. Mus. xxvii.
M. bifilaria, Bahamas, HAMPSON, p. 176, Ann. Nat. Hist. xiv, **n. sp.**
Malacodea regelaria at St. Petersb., characters, KUSNEZOV, pp. 40–43, cuts, Rev. Russe Ent. iv, & BLOECKER, p. 210, t. c.
Marmopteryx elongata, Peru, THIERRY-MIEG, p. 141, Naturaliste 1904, **n. sp.**
Mecoceras, cf. *Himeromima*.
Melanchroia geometroides, larva, DYAR, p. 77, P. ent. Soc. Washington vi.
Melanippe rivata, *fluctuata* varr., WOODBRIDGE, p. 9, cuts, Entomologist 1904.
Melanoscia **n. g.** near *Iridopsis*, p. 111, *M. albimacula*, *felina*, p. 112, *occlusa*, p. 113, **n. spp.**, Peru, WARREN, Nov. Zool. xi.
Melanolophia canadaria var. n. *subgenericata*, DYAR, p. 910, P. U. S. Mus. xxvii.
Melinodes contacta, Bolivia, WARREN, p. 153, Nov. Zool. xi; *M. subapicata*, Peru, p. 573, WARREN, **t. c. : n. spp.**
Melochlora intermedia, Peru, WARREN, p. 22, t. c.: *M. albiceps*, Peru, WARREN, p. 504, **t. c. : n. spp.**
Merocausta purpuraria, Bahamas, HAMPSON, p. 176, Ann. Nat. Hist. xiv, **n. sp.**
Mesedra **n. g.** including *Apicia venusta* Dogn., *M. confinis*, p. 153, *juvenis*, *munda*, p. 154, *subsequa*, *violacea*, p. 155, **n. spp.**, WARREN, Nov. Zool. xi.
Mesoleuca simulata var. n. *otisi*, DYAR, p. 898, P. U. S. Mus. xxvii.
Metallochlora circumscripta, Solomon islds., WARREN, p. 486, Nov. Zool. xi, **n. sp.**
Metanema quercivoria and *Endropia textrinaria* queried as one, TAYLOR, p. 134, Canad. Ent. xxxvi; *M. quercivoraria* and *textrinaria* are one, PEARSALL, p. 162, Canad. Ent. xxxvi; *M. fuliginosa* to *Mimogonodes*, WARREN, p. 576, Nov. Zool. xi.
M. fuliginosa, Peru, WARREN, p. 156, Nov. Zool. xi, **n. sp.**
Miantonota decorata, Huatuxco, WARREN, p. 22, Nov. Zool. xi; *M. nigrisquama*, Peru, DOGNIN, p. 119, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Microdes diplodonta, Tasmania, TURNER, p. 239, P. Soc. Victoria xvi, **n. sp.**
Microgonia affinis ♀, *siccifolia* ♂, p. 574, *umbrosa* var. n. *interclarata*, p. 575, WARREN, Nov. Zool. xi.
M. distans and ab. *confusa*, p. 156, Bolivia, *guenei*, p. 157, Mexico, *siccifolia*, *subdecorata* with ab. *prunicolor*, p. 158, Peru, *subdentilinea*, Ecuador, *subductaria*, R. Cachabi, p. 159, *versilinea*, Bolivia, p. 169, WARREN, t. c.; *M. particolor*, Paramaribo, p. 574, *subumbrata*, Peru, p. 575, WARREN, t. c.; *M. diluta*, Paraguay, DOGNIN, p. 366, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Microxydia ? *colorata*, p. 160, *M. fulvicollis*, p. 161, Peru, WARREN, Nov. Zool. xi; *M. rufifimbriata*, p. 575, *strigosa*, p. 576, Peru, WARREN, t. c. : **n. spp.**
Milionia aroensis, pl. iii, fig. 41, *ventralis*, fig. 38, *parva*, fig. 30, *diva*, figg. 39, 40, New Guinea, ROTHSCHILD, p. 321, Nov. Zool. xi, **n. spp.**
Milocera **n. g.** near *Psilocladia*, *M. horaria* **n. sp.**, Madagascar, SWINHOE, p. 522, Tr. ent. Soc. London 1904.
Mimandria insularis, Madagascar, SWINHOE, p. 541, t. c. **n. sp.**
Mimoprora **n. g.** near *Isochromodes*, *M. rubra* **n. sp.**, Peru, WARREN, p. 161, Nov. Zool. xi.
Mimosema flexa, *rufa*, Peru, WARREN, p. 162, t. c. **n. spp.**
Mixopsis leodorata Guen. (as *Cirsodes*) = (*Laudosia typtaria* Feld.), WARREN, p. 576, t. c.

M. bella, Peru, WARREN, p. 162, t. c.; *M. pulverata*, Peru, WARREN, p. 576, t. c. : **n. sp.**

Monroa **n. g.** for *Cymatophora*, *quinquelinearia* Pack., WARREN, p. 555, t. c.

Morphomima **n. g.** near *Cœlura*, p. 7, *M. fulvitacta* **n. sp.**, Colombia, p. 8, WARREN, t. c.

Nearcha prosedra, p. 226, *nephocrossa*, p. 227, Queensland, TURNER, Tr. R. Soc. S. Austral. xxviii, **n. spp.**

Nelo versicolor, Peru, THIERRY-MIEG, p. 182, Naturaliste 1904, **n. sp.**

Nematocampa completa, Ecuador, WARREN, p. 163, Nov. Zool. xi; *N.? confusa*, *N. cuprina*, Peru, WARREN, p. 577, t. c. : **n. spp.**

Nemoria afflictaria, Sierra Leone, SWINHOE, p. 549, Tr. ent. Soc. London 1904, **n. sp.**

Neobapta **n. g.** *Deiliniinæ*, p. 92, *N. indecora* **n. sp.**, Demarara, p. 93, WARREN, Nov. Zool. xi.

Neocrasis heterograpta, Peru, WARREN, p. 23, t. c. **n. sp.**

Neodirades **n. g.** *N. spurcata* **n. sp.**, Peru, WARREN, p. 8, t. c.

Neodezia **n. g.** for *Odezia albovittata*, WARREN, p. 541, t. c.

Neofidonia **n. g.** *Ascotinæ*, *N nigristigma* **n. sp.**, Peru, WARREN, p. 113, t. c.; *N. olivescens*, Ecuador, WARREN, p. 555, t. c. : **n. sp.**

Neonemoria **n. g.** near *Neocrasis*, p. 23, *N. plana* **n. sp.**, Bolivia, p. 24, WARREN, t. c.

Neoplema **n. g.** near *Epiplema*, *N. candidata* **n. sp.**, Peru, WARREN, p. 496, t. c.

Neopolita **n. g.** *Deiliniinæ*, *N. bisecta* **n. sp.**, Angola, WARREN, p. 470, t. c.

Neotaxia **n. g.** p. 365, *N. plana* **n. sp.**, Tucuman, p. 366, DOGNIN, Ann. Soc. ent. Belgique xlviii.

Nipteria apicilineata Dogn. to *Heteroleuca*, WARREN, p. 545, Nov. Zool. xi.

N. astyochioides, *flaviplaga*, *flebilis*, p. 102, *oblitaria*, Peru, *subocellata*, Bolivia, p. 103, *transducta*, *turpis*, p. 104, Peru, WARREN, Nov. Zool. xi.; *N. basiplaga*, *dispansa*, p. 546, *exclamationis*, *nigrisignata*, *occulta*, p. 547, *pallida*, *partita*, p. 548, *sibylla*, *trisecta*, p. 549, *unilinea vestigiata*, p. 550, Peru, WARREN, t. c.; *N. rotundata*, Ecuador, DOGNIN, p. 362, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Nyssia lapponaria, COCKAYNE, pl. vi, pp. 149, 150, Entomologist 1904; *N. lapponaria*, variation, COCKAYNE, p. 249, cuts, t. c.

Ochyria thorenaria, Madagascar, SWINHOE, p. 570, Tr. ent. Soc. London 1904, **n. sp.**

Odontopera integraria Guen. to *Colotois*, WARREN, p. 479, Nov. Zool. xi.

Odontoptila marginata, Bolivia, WARREN, p. 38, t. c. **n. sp.**

Œdicentra gerydaria, Ashanti, SWINHOE, p. 530, Tr. ent. Soc. London 1904, **n. sp.**

Œnone xenopis cf. *Diceratucha*.

Œnoptila costata, *filata*, *leprosata*, p. 120, *prunicolor*, p. 121, Peru, WARREN, Nov. Zool. xi; *Œ. ignea*, Peru, WARREN, p. 559, t. c. : **n. spp.**

Oligopleura biplagiata, Peru, WARREN, p. 58, t. c. **n. sp.**

Oospila atroviridis, Peru, WARREN, p. 24, t. c.; *O. restricta*, p. 504, *rufiplaga*, p. 505, Peru, WARREN, t. c. : **n. spp.**

Ophthalmodes albata, Sumatra, WARREN, p. 490, t. c. **n. sp.**

Ophthalmophora contrariata, p. 94, *lineata*, *orion*, p. 95, *transversata*, p. 96, Peru, WARREN, t. c. **n. spp.**

Opisthoxia casta, Mexico, *laticlava*, Peru, p. 542, *vigilans*, Ecuador, p. 543, WARREN, t. c. **n. spp.**

Oreonoma **n. g.** near *Heterusia*, *O. submarmorata* **n. sp.**, Peru, WARREN, p. 538, t. c.

Orsonoba zapluta, *luteola*, p. 234, *leucoprepes*, p. 235, Queensland, TURNER, Tr. R. Soc. S. Austral. xxviii, **n. spp.**

Ortholitha bipunctaria ab. n. *grisescens*, NEUBURGER, Soc. ent. xix, p. 44; *O. coarctata*, early stages, habits, BRANTS, pp. 63-68, Tijdschr. ent. xlvii.

Paracomistis subtractata ♀, WARREN, p. 163, Nov. Zool. xi.

P. plumosa, Peru, WARREN, p. 578, t. c. **n. sp.**

Paracomucha **n. g.** near *Entephria*, for *Cidaria chalybearia* Moore, WARREN, p. 488, t. c.

Paradoxodes **n. g.** near *Pseustoplaca*, *P. subdecora* **n. sp.**, Peru, WARREN, p. 164, t. c.

Paraplodes **n. g.** near *Aplodes*, p. 24, *P. aurata* **n. sp.**, Ecuador, p. 25, WARREN, t. c.

Paromala **n. g.** near *Perizoma*, *P. elongata* **n. sp.**, Ecuador, p. 58, WARREN, t. c.

Parourapteryx **n. g.** for *Metrocampa sulphuraria* Maassen, THIERRY-MIEG, p. 183, Naturaliste 1904.

Pergama semiusta var.? *latifascia*, WARREN, p. 165, Nov. Zool. xi.

P. plenilunata, Peru, WARREN, l. c. **n. sp.**

Peribolodes **n. g.** *Fidoniinæ*, *P. bicolorata* **n. sp.**, Brit. Guiana, WARREN, p. 126, t. c.

Perigramma nigricosta, p. 104, *semipleta*, p. 105, Bolivia, WARREN, t. c. **n. spp.**

Perixera sublunata, W. Africa, SWINHOE, p. 560, Tr. ent. Soc. London 1904; *P. impudens*, Galápagos, *P.? longidiscata*, Townsville, WARREN, p. 487, Nov. Zool. xi.: **n. spp.**

Perizoma aspersa, Ecuador, DOGNIN, p. 359, Ann. Soc. ent. Belgique xlviii; *P. amplata*, *aureoviridis*, p. 59, *mirifica*, p. 60, Peru, WARREN, Nov. Zool. xi : **n. spp.**

Pero olivacea, Tucuman, WARREN, p. 578, t. c. **n. sp.**

Perusia complicata, p. 165, *graphica*, *superstes*, p. 166, Peru, WARREN, t. c.; *P. subsordida*, Peru, WARREN, p. 579, t. c. : **n. spp.**

Petelia anagogaria, *binigrata*, p. 122, *purpurea*, p. 123, Peru, WARREN, t. c.; *P. glabra*, Niger, WARREN, p. 476, t. c. : **n. spp.**

Petrodava marginata, Abyssinia, SWINHOE, p. 503, Tr. ent. Soc. London 1904, **n. sp.**

Phæochlæna bialbifera, Ecuador, WARREN, p. 18, Nov. Zool. xi, **n. sp.**

Phellinodes leucophasiata, Peru, THIERRY-MIEG, p. 182, Naturaliste 1904; *P. interrupta*, *obstructa*, *uniformis*, Bolivia, WARREN, p. 14, Nov. Zool. xi; *P. absentimacula*, Ecuador, *albifascia*, Peru, WARREN, p. 499, t. c. : **n. spp.**

Phlebosphales **n. g.** near *Anticlea*, p. 60, *P. engelkei*, Santa Marta, **n. sp.**, p. 61, WARREN, t. c.

Phorodesma triangularia, Madagascar, SWINHOE, p. 551, Tr. ent. Soc. London 1904, **n. sp.**

Phrygionis modesta, Minas Geraës, WARREN, p. 91, Nov. Zool. xi; *P. argyrosticta*, Bahamas, HAMPSON, p. 176, Ann. Nat. Hist. xiv : **n. spp.**

Phyllodonta songaria=(*semicava* Warr.) var. n. *obscura*, DOGNIN, p. 366, Ann. Soc. ent. Belgique xlviii.

P. carneata, p. 166, *puritana*, p. 167, *semicava*, *vivida*, p. 168, Peru, WARREN, Nov. Zool. xi; *P. pseudonyma*, Peru, WARREN, p. 579, t. c. : **n. spp.**

Pigia semicostata, Peru, WARREN, p. 39, t. c. **n. sp.**

Pisoraca sanguinata, Durban, WARREN, p. 467, t. c. **n. sp.**

Plerocymia multilinearia, E. Africa, SWINHOE, p. 567, Tr. ent. Soc. London 1904, **n. sp.**

Pleurolopha **n. g.** near *Selidosema*, *P. nebridota* **n. sp.**, Brisbane, TURNER, p. 233, Tr. R. Soc. S. Austral. xxviii.

Pœcilochlora **n. g.** *Geometrinæ*, p. 505, *P. minor* **n. sp.**, Peru, p. 506, and *Neocrasis heterograpta* Warr., WARREN, Nov. Zool. xi.

Polla quadrilineata to *Sphacelodes*, WARREN, p. 172, t. c.
Polyploca flavicornis haverkampfi, p. 187, pl. i, HAVERKAMPF, Ann. Soc. ent. Belgique xlviii.
Polypoetes picaria, Peru, WARREN, p. 18, Nov. Zool. xi ; *P. fuliginosa*, Bolivia, DOGNIN, p. 119, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Porona fidoniata, Peru, WARREN, p. 560, Nov. Zool. xi, **n. sp.**
Prasinocyma ampla, pictifimbria, Angola, WARREN, p. 465, t. c. **n. spp.**
Prasinocyma pulchraria, W. Africa, p. 544, *asyllaria*, Madagascar, p. 545, SWINHOE, Tr. ent. Soc. London 1904, **n. spp.**
Problepsis flavistigma, Trop. Africa, SWINHOE, p. 564, t. c. **n. sp.**
Probolosceles punctaria, Madagascar, SWINHOE, p. 550, t. c. **n. sp.**
Procypha sillaria, p. 514, *informis*, p. 515, W. Africa, SWINHOE, t. c. **n. spp.**
Prorocrania **n. g.**, p. 225, *argyritis* **n. sp.**, W. Australia, p. 226, TURNER, Tr. R. Soc. S. Austral. xxviii.
Prostoma **n. g.** *Scotopteryginæ*, *P. fragilis* **n. sp.**, WARREN, p. 123, Nov. Zool. xi.
Provola **n. g.** for *Aletis postica* Walker, SWINHOE, p. 538, Tr. ent. Soc. London 1904.
Psaliodes serratilinea to *Hypolepis*, WARREN, p. 521, Nov. Zool. xi.
P. acutangula, p. 61, *albidulata, aurativena*, p. 62, *citrinata, clathrata*, p. 63, *fractilinea*, p. 64, *ignivenata, inferna*, p. 65, *miniata* (with varr. *fuscata, pallida*), *nexilinea*, p. 66, *nictitans, ossicolor*, p. 67, *pervasata, picta*, p. 68, Peru, *planiplaga*, Costa Rica, *semivasa*, p. 69, *serratilinea, siennata*, p. 70, Peru, *subfulvescens*, Ecuador, *trilunata*, Bolivia, p. 71, *tripartita*, p. 72, *vinosata*, p. 73, Peru, WARREN, t. c. ; *P. analiplaga, lilacina*, p. 522, *nodosa, vulpina*, p. 523, Peru, WARREN, t. c. ; *P. laticlara*, Peru, DOGNIN, p. 120, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Psamathia impunctata, Peru, WARREN, p. 496, Nov. Zool. xi, **n. sp.**
Pseudapicia muscivaria, p. 169, *sororcula*, p. 170, Peru, WARREN, t. c. **n. spp.**
Pseudasellodes **n. g.** near *Asellodes*, p. 39, *P. constellata* **n. sp.**, Peru, p. 40, WARREN, t. c.
Pseudocrocinis **n. g.** type *Crocinis plana* Butl., SWINHOE, p. 518, Tr. ent. Soc. London 1904.
Pseudosterrha lucidaria, Trop. Africa, SWINHOE, p. 566, t. c. **n. sp.**
Pseudoterpna bryophanes, p. 222, *myriosticta*, p. 223, Queensland, TURNER, Tr. R. Soc. S. Austral. xxviii, **n. spp.**
Psilocerea vestitaria, Madagascar, *umbrosaria*, Uganda, p. 520, *ancaria, dysonaria*, Madagascar, p. 521, SWINHOE, Tr. ent. Soc. London 1904, **n. spp.**
Psodopsis **n. g.** *P. incommoda* **n. sp.**, Bolivia, WARREN, p. 560, Nov. Zool. xi.
Psodos alticolaria faucium, p. 66, fig. 44, OBERTHÜR, Études comp. i.
Pterocypha abbreviata, Paraguay, WARREN, p. 73, Nov. Zool. xi, **n. sp.**
Ptochophyle subumbrata, Niger, WARREN, p. 467, t. c. **n. sp.**
Ptychopoda lalasaria, fylloidaria, Trop. Africa, SWINHOE, p. 559, Tr. ent. Soc. London 1904 ; *P. circumsticta, torrida*, Angola, *minimaria*, Mombasa, WARREN, p. 468, Nov. Zool. xi; *P. curtaria*, Jamaica, *griseocostata*, Ecuador, p. 40, *inanis*, Jamaica, *lignicolor*, Colombia, *nepticulata*, Venezuela, p. 42, *nigricosta*, Peru, p. 42, WARREN, t. c. ; *P. interalbulata*, N. W. Australia, p. 487, *muricolor*, Tonkin, p. 488, WARREN, t. c.; *P. tæniolata*, Peru, WARREN, p. 513, t. c. : **n. spp.**
Pycnoneura turpis, Bolivia, WARREN, p. 13, t. c. ; *P. convergens*, Inambari, WARREN, p. 498, t. c. : **n. spp.**
Pyrinia formosa, Peru, p. 170, *junctaria*, Bolivia, p. 171, WARREN, t. c.; *P. derasata*, Peru, WARREN, p. 580, t. c. : **n. spp.**
Racheospila dependens, p. 25, *molliculata, promontoria*, p. 26, Peru, WARREN, t. c.; *R. conflua*, Peru, WARREN, p. 506, t. c. : **n. spp.**

Rambara syllaria, p. 575, *thearia*, p. 576, W. Africa, SWINHOE, Tr. ent. Soc. London 1904, **n. spp.**

Rhinura **n. g.** for *Plemyriopsis variegata* Warr., WARREN, p. 74, Nov. Zool. xi.

Rhodochlora albimacula, St. Lucia, WARREN, p. 506, t. c. **n. sp.**

Rhodomena **n. g.** for part of *Hydriomena*, *R. lichenosa*, p. 74, *roseoviridis*, p. 75, **n. spp.**, Peru, WARREN, t. c.

Rhodophthitus castus, Angola, WARREN, p. 471, t. c. **n. sp.**

Rhopalista dismutata, Tucuman, WARREN, p. 75, t. c. **n. sp.**

Rhopalodes perfusa, Peru, WARREN, p. 527, t. c. **n. sp.**

Sabulodes arcasaria, life-history, SEIFERT, pp. 103–105, Canad. Ent. xxxvi.

Saccoploca **n. g.**, p. 8, *S. consimilis*, *excisa* **n. spp.**, Peru, p. 9, WARREN, Nov. Zool. xi; *S.* ? *divergens*, p. 496, *S. sordida*, p. 497, Peru, WARREN, t. c. : **n. spp.**

Sangala ænea, *regia*, Peru, WARREN, p. 98, t. c. **n. spp.**

Sangalopsis curvifera, Ecuador, *crescens*, *ficifera*, Peru, p. 99, *flaviplaga*, *signigera*, Bolivia, *luteiplaga*, Ecuador, *fulvimedia*, Peru, p. 100, WARREN, t. c.; *S. velutina*, Peru, WARREN, p. 544, t. c. : **n. spp.**

Sarracena brevilinea, Peru, WARREN, p. 524, t. c. **n. sp.**

Scea semifulva, Ecuador, WARREN, p. 19, t. c. **n. sp.**

Sciagraphia gilletteata, Colorado, DYAR, p. 105, P. ent. Soc. Washington vi, **n. sp.**

Scioglyptis emmelodes, Queensland, TURNER, p. 232, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Scordylia emporias, Brisbane, TURNER, p. 245, P. Soc. Victoria xvi; *S. pacifica*, Bolivia, *amica*, Peru, THIERRY-MIEG, p. 183, Naturaliste 1904 : **n. spp.**

Scotocyma **n. g.** for *Scotosia albinotata* Walk., TURNER, p. 245, P. Soc. Victoria xvi.

Scotorythra dissotis, p. 351, *metacrossa*, p. 352, *paratactis*, p. 353, *leptias*, p. 354, Hawaiian islands, MEYRICK, Fauna Hawaiiensis iii, **n. spp.**

Selidosema humarium var. n. *emasculatum*, DYAR, p. 910, P. U. S. Mus. xxvii.

S. combustaria, Palestine, PÜNGELER, p. 298, pl. vi, fig. 18, Deutsche ent. Zeitschr. Iris xvi; *S. crassata*, Durban, *pinguis*, Angola, WARREN, p. 477, Nov. Zool. xi; *S. symmorpha*, *leucodesma*, Queensland, TURNER, p. 231, Tr. R. Soc. S. Austral. xxviii : **n. spp.**

Semæopus signifer, Bolivia, WARREN, p. 42, Nov. Zool. xi; *S. carnearia*, p. 513, Peru, *incolorata*, Bolivia, p. 514, WARREN, t. c.; *S. micropis*, Bahamas, HAMPSON, p. 179, Ann. Nat. Hist. xiv : **n. spp.**

Semiothisa sherrata, Congo, p. 505, *cararia*, p. 507, *tattaria*, *instructaria*, p. 508, *uvidaria*, *arhoparia*, p. 509, *butaria*, p. 510, E. Africa, SWINHOE, Tr. ent. Soc. London 1904; *S. natalensis*, Durban, WARREN, p. 479, Nov. Zool. xi; *S. indentata*, *intensata*, Peru, *nigricomma*, Guadalajara, WARREN, p. 127, t. c.; *S. formosa*, Peru, WARREN, p. 562, t. c. : **n. spp.**

Sicya ennomaria, Mexico, WARREN, p. 171, t. c. **n. sp.**

Simopteryx obliterata, Bolivia, WARREN, p. 172, t. c. **n. sp.**

Sinoa nubilaria var. *knupfferi*, HOYNINGEN-HUENE, p. 30, Berlin. ent. Zeitschr. xlix.

Somatina accraria, W. Africa, SWINHOE, p. 565, Tr. ent. Soc. London 1904, **n. sp.**

Spargania daira Dr. (as *Epirrhoë*)=*bellipicta* Warr., WARREN, p. 76, Nov. Zool. xi.

S. intensa, p. 76, *rufifimbria*, *schistacea*, p. 77, *semipallida*, p. 78, Peru, WARREN, t. c. **n. spp.**

Spilocraspeda merged in *Isochromodes*, WARREN, p. 146, t. c.

Spododes basipunctata, Mexico, WARREN, p. 580, t. c. **n. sp.**

Stamnodes mirifica, Peru, THIERRY-MIEG, p. 140, Naturaliste 1904, **n. sp.**

Stegania minutissima, E. Africa, p. 500, *rubida*, Madagascar, p. 501, SWINHOE, Tr. ent. Soc. London 1904, **n. spp.**
Stenalcidia latimedia ab. n. *circumfumata*, WARREN, p. 556, Nov. Zool. xi.
S. fumibrunnea, *guttata*, Bolivia, p. 114, *latimedia*, Peru, p. 115, WARREN, t. c. ; *S. invenusta*, Tucuman, DOGNIN, p. 121, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Stenoplastis albifrons, Bolivia, p. 501, *semimaculata*, Peru, p. 502, WARREN, Nov. Zool. xi, **n. spp.**
Stenoplastis spumata, Bolivia, WARREN, p. 19, Nov. Zool. xi, **n. sp.**
Sterrha hispidata, Angola, WARREN, p. 469, t. c. **n. sp.**
Stilbia faillæ, fig. 22, *philopalis*, fig. 23, *calberlæ*, fig. 24, PÜNGELER, pl. vi, p. 300, Deutsche ent. Zeitschr. Iris xvi.
Synelys impunctata, Colorado, WARREN, p. 514, t. c. **n. sp.**
Syngria candidata, Peru, WARREN, p. 497, t. c. **n. sp.**
Synneuria ditissima, Peru, THIERRY-MIEG, p. 141, Naturaliste 1904, **n. sp.**
Syrtodes limited and redescribed, WARREN, p. 124, Nov. Zool. xi.
Systatica **n. g.** for *Monoctenia xanthastis* Low., TURNER, p. 229, Tr. R. Soc. S. Austral. xxviii.
Tachyphyle subaurata, Peru, WARREN, p. 27, Nov. Zool. xi ; *T. æretincta*, Peru, WARREN, p. 507, t. c. : **n. spp.**
Talledega montanata var. n. *magnoliatoidata*, DYAR, p. 889, P. U. S. Mus. xxvii.
Tanaorhinus humidaria, Madagascar, SWINHOE, p. 542, Tr. ent. Soc. London 1904, **n. sp.**
Taxeotis acrothecta, p. 223, *orphnina*, *adelpha*, p. 224, *epigæa*, p. 225, Australia, TURNER, Tr. R. Soc. S. Austral. xxviii, **n. spp.**
Tephrina presbitaria, p. 511, *olindaria*, p. 512, Trop. Africa, SWINHOE, Tr. ent. Soc. London 1905 ; *T. disparata*, Colorado, WARREN, p. 562, Nov. Zool. xi : **n. spp.**
Tephrinopsis fragilis, Peru, WARREN, p. 562, t. c. **n. sp.**
Tephroclystia breviculata, natural history, CHRÉTIEN, pp. 5–7, Naturaliste 1904.
T. tomillata, Segovia, CHRÉTIEN, p. 133, Bull. Soc. ent. France 1904 ; *T. orbaria*, p. 571, *mendosaria*, *perculsaria*, p. 572, *lugubriaria*, p. 573, Trop. Africa, SWINHOE, Tr. ent. Soc. London 1904 ; *T. niphadophilata*, *cootenaiata*, p. 890, *casloata*, *columbiata*, *bifasciata*, p. 891, *subfoveata*, p. 892, British Columbia, DYAR, P. U. S. Mus. xxvii ; *T. curvifascia*, Jamaica, *costivallata*, *rubellicincta*, p. 87, *trigenuata*, Peru, *spurcata*, Chile, p. 88, WARREN, Nov. Zool. xi ; *T. brunneicosta*, *casta*, p. 530, *cupreata*, *densicauda*, *erectinota*, p. 531, Peru, *magnipuncta*, Bolivia, *nigrithorax*, p. 532, *pallidicosta*, p. 533, *seminigra*, *suffecta*, *trianguli-fera*, p. 534, Peru, WARREN, t. c. : **n. spp.**
Tephronia ? *novella*, Ecuador, WARREN, p. 115, t. c. **n. sp.**
Tetracis inquinata, Peru, WARREN, p. 581, t. c. **n. sp.**
Thalaina angulosa, larva and pupa, GOUDIE, p. 111, Victorian Natural. xxi.
Thalassodes nivestrata (1903), pl. iii, fig. 36, ROTHSCHILD, Nov. Zool. xi.
T. salutaria, Uganda, SWINHOE, p. 544, Tr. ent. Soc. London 1904, **n. sp.**
Thalera ? *turpisaria*, W. Africa, SWINHOE, p. 546, t. c. **n. sp.**
Thamnonoma nubilata, Colorado, WARREN, p. 563, Nov. Zool. xi, **n. sp.**
Therina somniaria, larva, DYAR, p. 76, P. ent. Soc. Washington vi.
Thyatira dinawa, pl. v, fig. 43, p. 381, *ekeikei*, pl. iv, fig. 31, p. 382, New Guinea, BETHUNE-BAKER, Nov. Zool. xi ; *T. godalma*, Mexico, SCHAUS, p. 152, T. Amer. ent. Soc. xxx : **n. spp.**
Thysanocraspeda **n. g.** *Epipleminæ*, p. 9, *T. geminipuncta*, *inornata*, *semi-castanea*, p. 10, *squamiplaga*, p. 11, **n. spp.**, Peru, WARREN, Nov. Zool. xi.
Thysanoctena **n. g.** for *dormita* Schaus, WARREN, p. 535, t. c.

Thysanopyga fulvifascia, Ecuador, p. 124, *suffecta*, Bolivia, p. 125, WARREN, t. c. **n. spp.**

Tithraustes aliena, Bolivia, DOGNIN, p. 119, Ann. Soc. ent. Belgique xlviii; *T. subalbata*, Bolivia, DOGNIN, p. 358, t. c. : **n. spp.**

Tmetomorpha **n. g.** for *Ennomos bitias* Druce, WARREN, p. 173, Nov. Zool. xi.

Tracheops bolteri ♀, DYAR, p. 106, P. ent. Soc. Washington vi.

Traminda variegata, Trop. Africa, SWINHOE, p. 562, Tr. ent. Soc. London 1904, **n. sp.**

Trichoclystis **n. g.** near *Tephroclystia*, *T. peregrina* **n. sp.**, Peru, WARREN, p. 535, Nov. Zool. xi.

Trichosterrha **n. g.** near *Sterrha*, *T.? brunneofasciata*, *dentatilinea*, Venezuela, *T. olivata*, Peru, **n. spp.**, WARREN, p. 515, t. c.

Trigonomelea **n. g.** *Ascotinæ*, *T. semifusca* **n. sp.**, Durban, WARREN, p. 475, t. c.

Triphosa ochricostata, *uniplaga*, Peru, WARREN, p. 524, t. c. **n. sp.**

Trotorhombia **n. g.** for *Erosia metachromata* Walk., WARREN, p. 498, t. c.

Uliura **n. g.** near *Pœcilalcis*, *U. pallidimargo* **n. sp.**, Tonkin, WARREN, p. 491, t. c.

Urocalpe **n. g.** near *Plemyriopsis*, p. 78, *U. nigriplaga* **n. sp.**, Peru, p. 79, WARREN, t. c.

Venilia pulcheraria, Korea, HERZ, p. 362, pl. i, fig. 2, Annuaire Mus. St. Petersb. ix, **n. sp.**

Xanthomima isabellina, Isabel Isld., WARREN, p. 489, Nov. Zool. xi, **n. sp.**

Xanthorhoe agelasta, p. 272, *clascia*, p. 275, Australia, TURNER, P. Soc. Victoria xvi, **n. spp.**

Xenostega sinna, *tyana*, Old Calabar, SWINHOE, Tr. ent. Soc. London 1904, **n. spp.**

Zamacra diaphanaria, Askhabad, PÜNGELER, p. 295, pl. vi, fig. 14, Deutsche ent. Zeitschr. Iris xvi, **n. sp.**

Zamarada ilaria, *rufilinearia*, p. 516, *ixiaria*, *phrontisaria*, p. 517, Trop. Africa, SWINHOE, Tr. ent. Soc. London 1904, **n. spp.**

Zeuctoneura subviridis, Peru, WARREN, p. 43, Nov. Zool. xi, **n. sp.**

Zeuctophlebia tapinodes, Queensland, TURNER, p. 228, Tr. R. Soc. S. Austral. xxviii, **n. sp.**

Zeuctostyla **n. g.** near *Perigramma*, *Z. rubricollis* **n. sp.**, Peru, WARREN, p. 105, Nov. Zool. xi.

PYRALIDÆ, THYRIDIDÆ.

[Cf. DOGNIN (398), DYAR (424, 432, 434, 436, 438), HAMPSON (653), HOLE (696), JORDAN (771), MEYRICK (947, 948), PETRY (1039), REBEL (1122), SAUBER (1212), SCHAUS (1225), SWINHOE (1361, 1364), TURNER (1410), VAN DEVENTER (1428), WARREN (1474–1477).]

Revision of Australian *Pyralidæ* and *Thyrididæ*, TURNER, P. Soc. Queensland xviii. The synonymy and taxonomical changes of this memoir are not dealt with below.

DYAR gives notes on the *Phycitinæ* of the Hulst collection, for which reference must be made to P. ent. Soc. Washington vi, pp. 227–229.

Ambesa busckella, Maryland, DYAR, p. 108, P. ent. Soc. Washington vi, **n. sp.**

Ampycophora haploschema, Queensland, TURNER, p. 117, P. Soc. Queensland xviii, **n. sp.**

Anaclastus **n. g.** for *Crambus apicistrigellus* Meyr., TURNER, p. 164, t. c.

Anerastria eurysticha, Queensland, TURNER, p. 119, t. c. **n. sp.**

Anerastidia ebenopasta, Queensland, TURNER, p. 122, t. c. **n. sp.**

Anisothrix grenadensis, Grenada, SCHAUS, p. 176, Tr. Amer. ent. Soc. xxx, **n. sp.**

Arnatula tympanophora, Queensland, TURNER, p. 193, P. Soc. Queensland xviii, **n. sp.**

Asopia manihotalis, early stages, VAN DEVENTER, p. 79, pl. ix, fig. 1, Tijdschr. Ent. xlvi.

Atascosa quadricolorella, New Mexico, DYAR, p. 116, P. ent. Soc. Washington vi, **n. sp.**

Azochis rufidiscalis, Bahamas, HAMPSON, p. 186, Ann. Nat. Hist. xiv, **n. sp.**

Banisia salmo, Borneo, WARREN, p. 483, Nov. Zool. xi, **n. sp.**

Bonchis magnalis, Mexico, SCHAUS, p. 177, Tr. Amer. ent. Soc. xxx, **n. sp.**

Bostra disticha, Queensland, TURNER, p. 190, P. Soc. Queensland xviii, **n. sp.**

Bradina opacusalis, Borneo, SWINHOE, p. 156, Tr. ent. Soc. London 1904, **n. sp.**

Cabnia **n. g.** *C. myronella* **n. sp.**, Washington, DYAR, p. 108, J. N. York Ent. Soc. xii.

Cacotherapia **n. g.** for *Aurora nigrocinereella* Hulst, DYAR, p. 160, P. ent. Soc. Washington vi.

Caphys titana, Mexico, SCHAUS, p. 177, Tr. Amer. ent. Soc. xxx, **n. sp.**

Catadupa viridiplaga, Parana, SCHAUS, p. 177, t. c. **n. sp.**

Caudellia **n. g.** near *Unadilla*, *C. apyrella*, *albovitella* **n. spp.**, N. America, DYAR, p. 116, P. ent. Soc. Washington vi.

Cecidipta abnormalis, Bolivia, DOGNIN, p. 123, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Ceroprepes mniaropis, Queensland, TURNER, p. 151, P. Soc. Queensland xviii, **n. sp.**

Chilo oxyprora, Victoria, TURNER, p. 167, t. c. **n. sp.**

Chrysauge jonesalis, Parana, SCHAUS, p. 178, Tr. Amer. ent. Soc. xxx, **n. sp.**

Corcyra asthenitis, Townsville, TURNER, p. 155, P. Soc. Queensland xviii, **n. sp.**

Crambus lithargyrellus var. n. *domaviellus*, pl. v, fig. 20, p. 304, REBEL, Ann. Hofmus. Wien xix.

C. xerxes, Anklam, SAUBER, p. 108, Verh. Ver. Hamburg Unterh. xii; *C. plumbifimbrialis*, *murellus*, British Columbia, DYAR, p. 919, P. U. S. Mus. xxvii : **n. spp.**

Cryptoblabes plagioleuca, *adoceta*, Queensland, TURNER, p. 150, P. Soc. Queensland xviii, **n. spp.**

Desmia microstictalis, Bahamas, HAMPSON, p. 184, Ann. Nat. Hist. xiv, **n. sp.**

Diptychophora stenura, p. 168, *molydocrossa*, p. 169, *alypophanes*, *dialeuca*, p. 170, Queensland, TURNER, P. Soc. Queensland xviii, **n. spp.**

Dysodia flammata, Zomba, WARREN, p. 461, Nov. Zool. xi, **n. sp.**

Ecbletodes **n. g.** near *Homœosoma*, p. 124, *E. psephenias* **n. sp.**, Brisbane, p. 125, TURNER, P. Soc. Queensland xviii.

Endotricha chionocosma, p. 182, *psammitis*, p. 183, *hemicausta*, p. 184, Australia, TURNER, t. c. **n. spp.**

Ephestia cahiritella, early stage, VAN DEVENTER, p. 80, pl. ix, fig. 2, Tijdschr. Ent. xlvi.

E. nonparilella, Arizona, DYAR, p. 113, P. ent. Soc. Washington vi; *E. amarella*, British Columbia, DYAR, p. 921, P. U. S. Mus. xxvii : **n. spp.**

Ephestiodes benjaminella, British Columbia, DYAR, p. 922, t. c. **n. sp.**

Epipaschia superantalis, p. 249, *zelleri*, p. 250, early stages, DYAR, J. N. York Ent. Soc. xii.

E. crypserythra, Tasmania, TURNER, p. 198, P. Soc. Queensland xviii, **n. sp.**

Eurhythma **n. g.** for *Platytes latifasciella* Hamps., TURNER, p. 168, t. c.

Eurypta viridis, Parana, SCHAUS, p. 178, Tr. Amer. ent. Soc. xxx, **n. sp.**
Eutrichocera **n. g.** *Phycitinæ* for *paurolepidalis* **n. sp.**, Bahamas, HAMPSON, p. 182, Ann. Nat. Hist. xiv.
Euzophera gigantella=(*cinerella* Hulst), DYAR, p. 158, P. ent. Soc. Washington vi.
Euzopherodes leptocosma, Townsville, TURNER, p. 127, P. Soc. Queensland xviii; *E. megalopalis*, Bahamas, HAMPSON, p. 181, Ann. Nat. Hist. xiv : **n. spp.**
Gephyra costinotata, Peru, *galgula*, Parana, SCHAUS, p. 175, Tr. Amer. ent. Soc. xxx, **n. spp.**
Glyphodes intermedialis, Paraguay, DOGNIN, p. 129, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Herculia acerasta, Queensland, TURNER, p. 189, P. Soc. Queensland xviii, **n. sp.**
Heterobella **n. g.** near *Macalla*, p. 193, *H. triglochis* **n. sp.**, Queensland, p. 194, TURNER, t. c.
Heteromicta poliostola, Queensland, TURNER, p. 158, t. c. **n. sp.**
Homœosoma stenopis, Victoria, *farinaria*, Tasmania, TURNER, p. 126, t. c.; *H. reliquellum*, New Hampshire; DYAR, p. 112, P. ent. Soc. Washington vi : **n. spp.**
Hymenia exodias, Molokai, MEYRICK, p. 150, Ent. Mag. xl, **n. sp.**
Hyperectis **n. g.**, p. 356, near *Stenia*, *dioctias* **n. sp.**, Maui, p. 357, MEYRICK, Fauna Hawaiiensis iii.
Hyphantidium apodectum, *seminivale*, p. 129, *pamphäes*, p. 130, Queensland, TURNER, P. Soc. Queensland xviii, **n. spp.**
Hypolamprus tessellata, Sumatra, SWINHOE Ann. Nat. Hist. xiv, **n. sp.**
Hypolophota **n. g.** *Gallerianæ*, *H. oödes*, p. 155, *amydrastis*, p. 156, **n. spp.**, Queensland, TURNER, P. Soc. Queensland xviii.
Hypsotropha pleurosticha, p. 115, *icasmopis*, *rhodosticha*, p. 116, *zophopleura*, *acidnias*, p. 117, Australia, TURNER, t. c. **n. spp.**
Lætilia=(*Laosticha* Rag.), DYAR, p. 159, P. ent. Soc. Washington vi.
L. fiskeella, N. Carolina, DYAR, p. 221, t. c. **n. sp.**
Lepidomys sobria, Paraguay, DOGNIN, p. 126, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Leucinodes labefactalis, Borneo, SWINHOE, p. 158, Tr. ent. Soc. London 1904, **n. sp.**
Leucochroma neutralis, Ecuador, DOGNIN, p. 127, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Loxiorhiza **n. g.** for *Zeuzerodes cervinalis* Pag., WARREN, p. 494, Nov. Zool. xi.
Lygropia fusalis, Bahamas, HAMPSON, p. 186, Ann. Hat. Hist. xiv, **n. sp.**
Macalla zophera, p. 196, *ebenina*, p. 197, Queensland, TURNER, P. Soc. Queensland xviii; *M. admotalis*, p. 122, *albulatalis*, p. 123, S. America, DOGNIN, Ann. Soc. ent. Belgique xlviii : **n. spp.**
Margaronia amicalis, E. Africa, *cleonadalis*, Borneo, SWINHOE, p. 157, Tr. ent. Soc. London 1904, **n. spp.**
Megasis caudellella, *piperella*, N. America, DYAR, p. 110, P. ent. Soc. Washington vi, **n. spp.**
Meroptera liquidambarella, Washington, DYAR, p. 108, t. c. **n. sp.**
Mesolia scythrastis, Queensland, TURNER, p. 164, P. Soc. Queensland xviii, **n. sp.**
Mestolobes antichora, Oahu, MEYRICK, p. 361, Fauna Hawaiiensis iii; *M. sicaria*, Molokai, MEYRICK, p. 131, Ent. Mag. xl : **n. spp.**
Mimorista longidentalis, Peru, *pellucidalis*, Ecuador, DOGNIN, p. 128, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Morova ? innotata, Townsville, WARREN, p. 483, Nov. Zool. xi, **n. sp.**
Nachaba fluella, *aromalis*, *arouva*, p. 176, *N. ? violascens*, p. 177, S. America, SCHAUS, Tr. Amer. ent. Soc. xxx, **n. spp.**

Nacoleia albicinctalis, p. 184, *infuscalis*, *binoculalis*, p. 185, Bahamas, HAMPSON, Ann. Nat. Hist. xiv, **n. spp.**
Nephopteryx syntaractis, p. 145, *epicrypha*, p. 147, Queensland, TURNER, P. Soc. Queensland xviii, **n. spp.**
Niphostola punctata, Borneo, SWINHOE, p. 156, Tr. ent. Soc. London 1904, **n. sp.**
Noorda candidalis, Ecuador, DOGNIN, p. 131, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Nyctereutica **n. g.** type *N. asbolopis* **n. sp.**, Queensland, TURNER, p. 192, P. Soc. Queensland xviii.
Ollia **n. g.**, p. 107, *O. santaritella* **n. sp.**, Arizona, p. 108, DYAR, J. N. York Ent. Soc. xii.
Omiodes accepta, larva, DYAR, p. 65, P. ent. Soc. Washington vi.
O. antidoxa, Oahu, MEYRICK, p. 358, Fauna Hawaiiensis iii, **n. sp.**
Omphaloptera virginalis, *completalis*, p. 126, *O.? stigmatalis*, p. 127, S. America, DOGNIN, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Orthaga orchidivora, Queensland, TURNER, p. 199, P. Soc. Queensland xviii, **n. sp.**
Ortholepis gillettella, Colorado, DYAR, p. 107, P. ent. Soc. Washington vi, **n. sp.**
Pachyzancla fimbrialis, Ecuador, DOGNIN, p. 130, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Parabœra **n. g.** near *Abœra*, *P. nitidalis* **n. sp.**, Ecuador, DOGNIN, p. 125, t. c.
Paralipsa stenopepla, Queensland, TURNER, p. 156, P. Soc. Queensland xviii, **n. sp.**
Passadena and *Getulia*, synonymy, DYAR, p. 114, P. ent. Soc. Washington vi.
Pectinigera ardiferella Hulst, synonymy, DYAR, p. 159, t. c.
Peoria discostrigella, Arizona, DYAR, p. 115, t. c. **n. sp.**
Phlyctænia tilialis, British Columbia, DYAR, p. 916, P. U. S. Mus. xxvii; *P. lampadias*, Hawaiian islands, MEYRICK, p. 359, Fauna Hawaiiensis iii : **n. spp.**
Phlyctænodes darwinialis, Anklam, SAUBER, p. 109, Verh. Ver. Hamburg Unterh. xii, **n. sp.**
Phryganodes hypoxantha, Ecuador, DOGNIN, p. 128, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Phycita corethropus, p. 138, *adiacritis*, p. 140, *trachystola*, *mixoleuca*, p. 142, *recondita*, *atimeta*, p. 143, Australia, TURNER, P. Soc. Queensland xviii, **n. spp.**
Pionea arabescalis, natural history, CHRÉTIEN, pp. 89–92, Naturaliste 1904.
P. illineatalis, *viridalis*, Ecuador, DOGNIN, p. 131, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Polygrammodes interpunctalis, Peru, DOGNIN, p. 129, t. c. **n. sp.**
Polyocha rhabdota, *achrosta*, Queensland, TURNER, p. 122, P. Soc. Queensland xviii, **n. spp.**
Poujadia callirhoda, p. 120, *holochra*, p. 121, Australia, TURNER, t. c. **n. spp.**
Psorosina **n. g.** near *Psorosa*, *P. angulella* **n. sp.**, Iowa, DYAR, p. 113, P. ent. Soc. Washington vi.
Pyla hanhamella, *rainierella*, N. America, DYAR, p. 109, t. c.; *P. pallidella*, Utah, DYAR, p. 107, J. N. York Ent. Soc. xii : **n. spp.**
Pyralis costalis var., THURNALL, p. 15, Ent. Mag. xl.
Pyrausta machoeralis, natural history, injuries to teak, HOLE, pp. 680–697, J. Bombay Soc. xv; *P. æralis*, Algerian var., CHRÉTIEN, p. 45, Naturaliste 1904.
P. pyropsalis, Bahamas, HAMPSON, p. 187, Ann. Nat. Hist. xiv, **n. sp.**

Rhectosomia? longistrialis, Ecuador, DOGNIN, p. 130, Ann. Soc. ent. Belgique xlviii, **n. sp.**

Rhodoneura cypholoma, Queensland, TURNER, p. 112, P. Soc. Queensland xviii, **n. sp.**

Salebria triplagiella, Manitoba, DYAR, p. 109, P. ent. Soc. Washington vi, **n. sp.**

S. bakerella, p. 105, *furciferella*, *vetustella*, p. 106, N. America, DYAR, J. N. York Ent. Soc. xii, **n. spp.**

Salobrena phyrea, Brazil, SCHAUS, p. 175, Tr. Amer. ent. Soc. xxx, **n. sp.**

Saluria rhodoessa, Queensland, TURNER, p. 120, P. Soc. Queensland xviii, **n. sp.**

Sanguesa dyopsata, Mexico, SCHAUS, p. 176, Tr. Amer. ent. Soc. xxx, **n. sp.**

Sarata rhoiella, Colorado, DYAR, p. 105, J. N. York Ent. Soc. xii, **n. sp.**

Scenidiopis **n. g.** for *Persicoptera chionozyga* Low., TURNER, p. 184, P. Soc. Queensland xviii.

Scirpophaga holophœalis, Bahamas, HAMPSON, p. 181, Ann. Nat. Hist. xiv, **n. sp.**

Scoparia liebmanni, Corsica, PETRY, p. 245, Stettin Ent. Zeit. lxv; *S. torniplagalis*, Washington, DYAR, p. 105, J. N. York Ent. Soc. xii; *S. normalis*, p. 71, *fernaldalis*, *tricoloralis*, *cinereomedia*, p. 72, N. America, DYAR, Ent. News Philad. xv; *S. gymnopis*, p. 131, *isophœa*, p. 132, Molokai, MEYRICK, Ent. Mag. xl; *S. gonodecta*, p. 362, *catactis*, p. 363, *religiosa*, p. 365, Hawaiian islds, MEYRICK, Fauna Hawaiiensis iii : **n. spp.**

Selagia lithosella=(*Honora luteella* Hulst), DYAR, p. 160, P. ent. Soc. Washington vi.

Semnia mexicanalis, Mexico, *S.? mirma*, Brazil, SCHAUS, p. 178, Tr. Amer. ent. Soc. xxx, **n. spp.**

Semniomima mediana, Parana, SCHAUS, p. 178, **t. c. n. sp.**

Siculodes triumphans, Peru, WARREN, p. 1, Nov. Zool. xi; *S. figurata*, *lacteguttata*, Peru, WARREN, p. 493, t. c. **n. spp.**

Sindris magnifica, Angola, JORDAN, p. 447, Nov. Zool. xi, **n sp.**

Spatulipalpia sophronica, Queensland, TURNER, p. 149, P. Soc. Queensland xviii, **n. sp.**

Staudingeria olivacella, *perluteella*, N. America, DYAR, p. 111, P. ent. Soc. Washington vi, **n. spp.**

Stenia hieralis, Borneo, SWINHOE, p. 156, Tr. ent. Soc. London 1904, **n. sp.**

Stericta multicolor, *nigrisquama*, S. America, DOGNIN, p. 124, Ann. Soc. ent. Belgique xlviii, **n. spp.**

Sthenobela **n. g.** near *Phycita*, p. 135, *S. niphostibes* **n. sp.**, Queensland, p. 136, TURNER, P. Soc. Queensland xviii.

Striglina divisata, Natuna Ids., WARREN, p. 484, Nov. Zool. xi, **n. sp.**

Symphonistis **n. g.** type *Nephopteryx monospila* Low., TURNER, p. 135, P. Soc. Queensland xviii.

Tacoma; characters and components, DYAR, p. 112, P. ent. Soc. Washington vi.

T. nyssœcolella, N. America, DYAR, p. 112, **t. c. n. sp.**

Talis isodeta, *xiphosema*, p. 175, *eucraspeda*, *orthotypa*, p. 176, *haplotypa*, p. 177, Australia, TURNER, P. Soc. Queensland xviii, **n. spp.**

Tetraschistis leucogramma, Bahamas, HAMPSON, p. 183, Ann. Nat. Hist. xiv; *T. paula*, Brazil, SCHAUS, p. 177, Tr. Amer. ent. Soc. xxx : **n. spp.**

Titanoceros poliochyta, Queensland, TURNER, p. 191, P. Soc. Queensland xviii, **n. sp.**

Tolima cincaidella, Wyoming, DYAR, p. 115, P. ent. Soc. Washington vi, **n. sp.**

Tosale grandis, Mexico, SCHAUS, p. 176, Tr. Amer. ent. Soc. xxx; *T. filata*, Ecuador, DOGNIN, p. 125, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Trissonea epiterpes, p. 132, *capnoëssa*, p. 133, Australia, TURNER, P. Soc. Queensland xviii, **n. sp.**
Tylochares sceptucha, Queensland, TURNER, p. 130, t. c. **n. sp.**
Ubida holomochla, Queensland, TURNER, p. 165, t. c. **n. sp.**
Ulophora brunneella, p. 106, *tephrosiella*, p. 107, N. America, DYAR, P. ent. Soc. Washington vi, **n. spp.**
Varneria **n. g.** p. 114, *V. postremella* **n. sp.**, Kentucky, p. 115, DYAR, t. c.
Vitula serratilineella, generic position, DYAR, p. 158, t. c.
Xanthomelaina quinquepuncta, Borneo, SWINHOE, p. 156, Tr. ent. Soc. London 1904, **n. sp.**
Zeuzerodes subfulvata, Ecuador, WARREN, p. 1, Nov. Zool. xi, **n. sp.**
Zophodia orobanchella, Washington, DYAR, p. 111, P. ent. Soc. Washington vi ; *Z. aureomaculella*, Texas, DYAR, p. 107, J. N. York Ent. Soc. xii : **n. spp.**

PTEROPHORIDÆ.

Platyptilia ochrodactyla var. n. *bosniaca*, REBEL, p. 323, Ann. Hofmus. Wien xix ; *P. rhododactyla*, metamorphosis, MURTFELDT, p. 334, Canad. Ent. xxxvi.

TORTRICIDÆ.

[Cf. DOGNIN (398), DYAR (430, 437), KEARFOTT (776, 777), PETRY (1039).]

Instructions for collecting and preparing, KEARFOTT (778).
Notes for popular use on the divisions of *Tortricidæ*, ROSTAGNO, Boll. Soc. zool. Ital. xii, pp. 70–76.

Acalla decosseana, pl. ii, figg. 10, 11, p. 41, FUCHS, Jahrb. nassau. Ver. lvii.
Acleris britannia, p. 138, *fragariana*, p. 140, British Columbia, KEARFOTT, Canad. Ent. xxxvi, **n. spp.**
Ancylis maritima, Rhode island, DYAR, p. 221, P. ent. Soc. Washington vi, **n. sp.**
Atteria purpurea, p. 132, *unciana*, *fumipennis*, p. 133, S. America, DOGNIN, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Commophila fuscodorsana, British Columbia, KEARFOTT, p. 141, Canad. Ent. xxxvi, **n. sp.**
Conchylis altocorsicana, Corsica, PETRY, p. 248, Stettin Ent. Zeit. lxv, **n. sp.**
Cydia arctostaphylana, p. 109, *pseudotsugana*, p. 110, British Columbia, KEARFOTT, Canad. Ent. xxxvi, **n. spp.**
Enarmonia cockleana, British Columbia, KEARFOTT, p. 137, t. c. **n. sp.**
Gynandrosoma **n. g.** near *Pseudogalleria*, *G. punctidiscanum* **n. sp.**, N. America, DYAR, p. 60, P. ent. Soc. Washington vi.
Hastula hyerana, larval habits, CHAPMAN, p. lxx, P. ent. Soc. London 1904.
Olethreutes betulætana, food-plant, HAVERHORST, p. 97, Ent. Ber. Nederland i.
Opogona fumiceps, early stages, VAN DEVENTER, p. 83, pl. x, fig. 1, Tijdschr. Ent. xlvi.
Setomorpha tineoides, early stages, VAN DEVENTER, p. 81, pl. ix, fig. 3, t. c.
Thiodia artemisiana var. n. *infimbriana*, DYAR, p. 927, P. U. S. Mus. xxvii.
Tortrix ruptimacula, Ecuador, DOGNIN, p. 132, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Polychrosis viteana, distinctions, natural history, SLINGERLAND, Bull. Cornell exp. Stat. No. 223, illustrations.
Proteopteryx willingana, Assinaboia, KEARFOTT, p. 306, Canad. Ent. xxxvi ; *P. columbia*, p. 112, with varr. *albidorsana*, p. 113, and *mediostriana*, p. 114, British Columbia, KEARFOTT, t. c. : **n. spp.**

TINEIDÆ, s. l.

[Cf. BUSCK (203–206), CHRÉTIEN (276), DOGNIN (398), FERNALD (497), FUCHS (572), FYLES (576), LOWER (888), MEYRICK (946), PETRY (1038–1040), REBEL (1122), REUTER (1158), SAUBER (1212), TURNER (1411), VAN DEVENTER (1428, 1429), WALSINGHAM (1469, 1470).]

Remarkable larval cases and habits, GREEN, p. 158, Spolia Zeylan. ii.

Annotated list of Finland *Tineidæ*, REUTER, Acta Soc. Faun. Fenn. xxvi, No. 1, pp. 4–66.

Notes for popular use on the classification of *Tineidæ*, ROSTAGNO, pp. 68–87, Boll. Soc. zool. Ital. xiii.

Achoria **n. g.** *A. inopina* **n. sp.**, Sydney, MEYRICK, p. 405, P. Linn. Soc. N. S. Wales xxix.

Acompsia dimorpha, Pyrenees, PETRY, p. 4, Deutsche ent. Zeitschr. Iris xvii, **n. sp.**

Adela collicolella, Tangier, WALSINGHAM, p. 7, Ent. Mag. xl, **n. sp.**

Æoloscelis aulacosema, *euphædra*, p. 172, *petrosarca*, *hemicroca*, Australia, LOWER, Tr. R. Soc. S. Austral. xxviii, **n. spp.**

Allocota **n. g.**, p. 419, *A. simulacrella* **n. sp.**, Sydney, p. 420, MEYRICK, P. Linn. Soc. N. S. Wales xxix.

Allonomyna **n. n.** for *Orchemia* Fernald, BUSCK, p. 745, P. U. S. Mus. xxvii.

Anacampsis linella, Basses Alpes, CHRÉTIEN, p. 151, Naturaliste 1904; *A. fragariella*, Washington, BUSCK, p. 760, P. U. S. Mus. xxvii : **n. spp.**

Anaptilora **n. g.** *A. isocosma*, p. 390, *cremias*, p. 391, **n. spp.**, Queensland, MEYRICK, P. Linn. Soc. N. S. Wales xxix.

Anarsia trichodeta, p. 415, *molybdota*, *leucophora*, p. 417, *epiula*, p. 418, **n. spp.**, Australia, MEYRICK, t. c.

Apotistatus **n. g.** near *Symmoca*, *A. leucostictus* **n. sp.**, Algeria, WALSINGHAM, p. 271, Ent. Mag. xl.

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Aristotelia sinistra, p. 287, *macrothecta*, *furtiva*, p. 288, *thetica*, *tetracosma*, p. 289, *antipala*, *pamphæa*, *epimetalla*, p. 290, Australia, MEYRICK, P. Linn. Soc. N. S. Wales xxix; *A. natalella*, *harrisonella*, Brit. Columbia, BUSCK, p. 756, P. U. S. Mus. xxvii : **n. spp.**

Arotria **n. g.** *A. iophæa* **n. sp.**, Queensland, MEYRICK, p. 387, P. Linn. Soc. N. S. Wales xxix.

Aulacomima **n. g.** *A. trinervis* **n. sp.**, Sydney, MEYRICK, p. 395, t. c.

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Brachodes Gn. = (*Atychia* Latr. nec Ochs.), WALSINGHAM, p. 7, Ent. Mag. xl.

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Cerostoma indecorella, characters, variation, WALSINGHAM, p. 319, Ent. Mag. xl.

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Choreutis balsamorrhizella, p. 748, *piperella*, p. 749, Washington, BUSCK, P. U. S. Mus. xxvii, **n. spp.**

Clymene ægerifasciella to *Trichoptera*, BANKS, p. 116, Ent. News Philad. xv.

Coleophora tiliæfoliella Clem., description, KEARFOTT, p. 324, Canad. Ent. xxxvi; *C. limosipennella*, natural history, HOOVER, pp. 54–56, Ent. News Philad. xv; *C.*, cases, habits, TURNER, pp. xxxiv–xxxvi, P. ent. Soc. London 1904; *C.*, cases, TURNER, pp. xlix, l, t. c., and t. c. pp. lx–lxiii; *C.*, notes on, eggs etc., TURNER, pp. 32–34, Ent. Rec. xvi.

C. benedictella, Basses Alpes, CHRÉTIEN, p. 163, Naturaliste 1904; *C. persimilis*, Prenj, REBEL, p. 365, Ann. Hofmus. Wien xix; *C. neviusiella*, China, BUSCK, p. 45, J. N. York ent. Soc. xii : **n. spp.**

Colobodes **n. g.** *C. insomnis* **n. sp.**, Sydney, MEYRICK, p. 297, P. Linn. Soc. N. S. Wales xxix.
Coptodisca arbutiella, Washington, BUSCK, p. 769, P. U. S. Mus. xxvii, **n. sp.**
Coptotelia nigriplaga, Ecuador, DOGNIN, p. 134, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Cosmopteryx villella, Washington, BUSCK, p. 768, P. U. S. Mus. xxvii, **n. sp.**
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Crœsopola **n. g.** for *Atasthalistis euchroa* Low., MEYRICK, p. 410, t. c.
Cryptolechia sexmaculata, Ecuador, DOGNIN, p. 133, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Cryptophasa alphitodes, *themerodes*, Queensland, TURNER, p. 244, Tr. R. Soc. S. Austral. xxviii, **n. spp.**
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Dysmasia petrinella, habits, CHRÉTIEN, p. 119, Bull. Soc. ent. France 1904.
Ephelictis **n. g.**, p. 387, *E. megalarthra*, *neochalca*, p. 368, **n. spp.**, Australia, MEYRICK, P. Linn. Soc. N. S. Wales xxix.
Epibrontis **n. g.** for *Gelechia hemichlæna* Low., MEYRICK, p. 324, t. c.
Epidoca albidella Reb. to *Symmoca*, WALSINGHAM, p. 272, Ent. Mag. xl.
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Eremica **n. g.** near *Symmoca*, *E. saharæ*, p. 270, *lithochroma* **n. spp.**, Algeria, p. 271, WALSINGHAM, Ent. Mag. xl.
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Ethmia zelleriella, larva, DYAR, p. 3, P. ent. Soc. Washington vi; *E. longimaculella*, larva, DYAR, p. 178, J. N. York Ent. Soc. xii.
E. caliginosella, Colorado, BUSCK, p. 44, t. c. **n. sp.**
Eucalantica **n. g.** for *Calantica polita* Walsingh., BUSCK, p. 750, P. U. S. Mus. xxvii.
Eumasia **n. g.** for *Dysmasia parietariella*, CHRÉTIEN, p. 119, Bull. Soc. ent. France 1904.
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xvii ; *G. montivaga*, p. 221, *lacertella*, p. 222, *sinuatella*, p. 223, *erubescens*, p. 265, *cerostomatella*, *nigrorosea*, p. 266, *heligmatodes*, p. 267, Algeria, WALSINGHAM, Ent. Mag. xl ; *G. limitanella*, p. 349, pl. v, fig. 22, *G.* (*Lita*) *lakatensis*, p. 351, fig. 24, Bosnia, REBEL, Ann. Hofmus. Wien xix ; *G. nephelombra*, p. 309, *bathropis*, p. 310, *epactæa*, p. 312, Australia, MEYRICK, P. Linn. Soc. N. S. Wales xxix ; *G. mandella*, *monella*, p. 759, *ceanothiella*, p. 760, Brit. Columbia, BUSCK, P. U. S. Mus. xxvii : **n. spp.**

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Gracilaria elongella varr., BUSCK, p. 770, t. c.

G. cramerella, Java, SNELLEN, p. 84, early stages, VAN DEVENTER, l. c. pl. 10, fig. 2, Tijdschr. Ent. xlvi ; *G. eugeniella*, p. 11, pl. i, fig. 4, *barringtoniella*, p. 14, fig. 5, *diffluella*, p. 17, fig. 6, *glutella*, p. 20, fig. 7, *soyella*, p. 22, pl. ii, fig. 1, *protiella*, p. 25, fig. 2, *grisella*, p. 27, pl. ii, fig. 3, Java, VAN DEVENTER, Tijdschr. Ent. xlvii ; *G. murtfeldtella*, N. America, BUSCK, p. 771, P. U. S. Mus. xxvii : **n. spp.**

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Hemiarcha **n. g.** type *Gelechia thermochroa*, MEYRICK, p. 331, P. Linn. Soc. N. S. Wales xxix.

Holcocera glandulella, metamorphosis, CHITTENDEN, p. 38, Bull. U. S. Dep. Agric. Ent. xliv.

Hyodectis **n. g.** *H. crenoides* **n. sp.**, Australia, MEYRICK, p. 411, P. Linn. Soc. N. S. Wales xxix.

Idiophantis **n. g.** *I. habrias* **n. sp.**, Brisbane, MEYRICK, p. 298, t. c.

Incurvaria piperella, Washington, BUSCK, p. 775, P. U. S. Mus. xxvii, **n. sp.**

Iulota **n. g.** near *Aristotelia*, *I. ithyxyla*, Australia, p. 283, *triglossa*, Tasmania, p. 284, **n. spp.**, MEYRICK, P. Linn. Soc. N. S. Wales xxix.

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Limnoecia heterozona, *isodesma*, *anisodesma*, Australia, LOWER, p. 174, Tr. R. Soc. S. Austral. xxviii, **n. spp.**

Lita nitentella, natural history, PETRY, pp. 176–179, Stettin Ent. Zeit. lxv.

L. oreocyrniella, Corsica, PETRY, p. 249, t. c. **n. sp.**

Lithocolletis suaveolentis, Corsica, PETRY, p. 252, t. c. **n. sp.**

Litodonta hydromeli, larva, DYAR, p. 3, P. ent. Soc. Washington vi.

Lyonetia simplella, Java, SNELLEN, p. 86, early stages, VAN DEVENTER, l. c. pl. x, fig. 3, Tijdschr. Ent. xlvi ; *L. saliciella*, Brit. Columbia, BUSCK, p. 773, P. U. S. Mus. xxvii : **n. spp.**

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Metzneria incognita, Algeria, WALSINGHAM, p. 220, Ent. Mag. xl, **n. sp.**

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Nepticula bleonella, Basses Alpes, CHRÉTIEN, p. 164, Naturaliste 1904; *N. thuringiaca*, Germany, PETRY, p. 179, Stettin Ent. Zeit. lxv; *N. tingitella*, Tangier, WALSINGHAM, p. 8, Ent. Mag. xl: **n. spp.**

Nothris sulcella, Prenj, REBEL, p. 356, pl. x, fig. 25, Ann. Hofmus. Wien xix; *N. chloristis*, p. 421, *centrothetis*, p. 422, *crocina*, p. 423, *mylicotis*, p. 426, *tephrastis*, *dentata*, p. 427, Australia, MEYRICK, P. Linn. Soc. N. S. Wales xxix.

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Grabhamia jamaicensis in Missouri, larva, pupa, HERRICK, pp. 81–84, pl. viii, Ent. News Philad. xv.

G. deniedmannii, Philippines, LUDLOW, p. 234, Canad. Ent. xxxvi, **n. sp.**

Hodgesia sp., Philippines, p. 368, cut, GILES, J. trop. Medicine vii.

Howardina himalayana, Naini Thal, GILES, p. 384, t. c. **n. sp.**

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Lasioconops **n. g.** near *Culex*, p. viii, *poicilipes* **n. sp.**, West Africa, p. ix, THEOBALD, Thompson Yates Lab. Rep. v, Mem. x App.

Leicesteria **n. g.** near *Eretmapodites*, THEOBALD, p. 211, *L. longipalpis* **n. sp.**, Kuala Lumpur, LEICESTER, p. 211, Entomologist 1904.

Lophoscelomyia **n. g.** *Anophelina*, THEOBALD, p. 12, *L. asiatica* **n. sp.**, Kuala Lumpur, LEICESTER, p. 13, Entomologist 1904.

Mansonia uniformis, pl. vi, fig. 5, p. 76, THEOBALD, 1st Rep. Wellcome Lab.

Megarhinus rutilus, *portoricensis*, larvæ, DYAR, p. 20, P. ent. Soc. Washington vi.

M. lewaldii, Philippines, LUDLOW, p. 233, Canad. Ent. xxxvi, **n. sp.**

Mimomyia uniformis, Nile, THEOBALD, p. 80, 1st Rep. Wellcome Lab.; *M. chamberlaini*, Philippines, LUDLOW, p. 297, Canad. Ent. xxxvi : **n. spp.**

Mochlonyx velutinus, metamorphosis, WIMMER, Rozp. Ceske Ak. Praze ii, xiii, No. 1, pl. 1.

Myzomyia rossii var., GILES, p. 1, J. trop. Medicine vii.

M. nili, Nile, THEOBALD, p. 66, pl. v, fig. 3, 1st Rep. Wellcome Lab.; *M. thorntonii*, Philippines, LUDLOW, p. 69, Canad. Ent. xxxvi : **n. spp.**

Myzorhynchus sinensis ?, larva, GILES, p. 51, J. trop. Medicine vii; *M. pseudobarbirostris*, correction, LUDLOW, p. 72, Canad. Ent. xxxvi.

Nyssorhynchus jamesii and *fuliginosus*, queried as one species, also *N. theobaldi* and *maculipennis*, GILES, p. 22, J. trop. Medicine vii.

Orthopodomyia **n. g.** near *Finlaya*, THEOBALD, p. 236, *O. albipes* **n. sp.**, Kuala Lumpur, LEICESTER, p. 237; Entomologist 1904.

Protoculex **n. g.** type *serratus* Theob., FELT, p. 391*d*, Bull. N. York Mus. No. 79.

Psorophora ciliata, larval habits, DYAR, p. 244, J. N. York Ent. Soc. xii.

Runchomyia philippinensis, Philippines, GILES, p. 368, J. trop. Medicine vii, **n. sp.**

Sayomyia rotundifolia, p. 366, *hudsoni*, p. 371, New York, FELT, Bull. N. York Mus. No. 79. **n. spp.**

Scutomyia **n. g.** *Culicina*, *S. albolineata* **n. sp.**, Kuala Lumpur, THEOBALD, p. 77, Entomologist 1904.

Stegomyia scutellaris var. *samarensis*, LUDLOW, p. 71, Canad. Ent. xxxvi.

S. albocephala, Gambia, THEOBALD, p. iv, Thompson Yates Lab. Rep. v, Mem. x App.; *S. desmotes*, *leucomeres*, *striocrura*, Philippines, GILES, p. 367, J. trop. Medicine vii : **n. spp.**

Tæniorhynchus, revised, species tabulated, GILES, pp. 381–383, J. trop. Medicine vii; *T.* var. n. *maculipes*, pl. vi, fig. 4, p. 79, THEOBALD, 1st Rep. Wellcome Lab.

T. cristatus, Nile, THEOBALD, p. 78, t. c.; *T. whitmorei*, Philippines, GILES, p. 367, J. trop. Medicine vii; *T. nigricans*, Panama, p. 166, *signipennis*, Mexico, p. 167, COQUILLETT, P. ent. Soc. Washington vi; *T. niger*, *antiguæ*, Antigua, GILES, p. 384, J. trop. Medicine vii : **n. spp.**

Theobaldia spathipalpis, pl. vi, fig. 1, p. 73, THEOBALD, 1st Rep. Wellcome Lab.

Toxorhynchites leicesteri, THEOBALD, p. 36, *metallicus*, LEICESTER, p. 37, Malay States, Entomologist 1904, **n. spp.**
Uranotænia balfouri, Nile, pl. vi, fig. 6, p. 82, THEOBALD, 1st Rep. Wellcome Lab. ; *U. nitidoventer*, Philippines, GILES, p. 368, J. trop. Medicine vii : **n. spp.**

PSYCHODIDÆ.

[Cf. EATON (445), WAHLGREN (1463).]

Clytocerus **n. g.** for part of *Pericoma*, EATON, p. 59, Ent Mag. xl.
Logima **n. g.** Type *Psychoda erminea* Eat., EATON, p. 58, t. c.
Pericoma albomaculata, Småland, WAHLGREN, p. 16, Arkiv Zool. ii, No. 7, **n. sp.**
Philosepedon **n. g.** for *P. humeralis* Meig., EATON, p. 57, Ent. Mag. xl.
Phlebotomus and allies, characters, EATON, pp. 55, 56, t. c.
Telmatoscopus **n. g.** for part of *Pericoma*, EATON, p. 58, t. c.
Threticus **n. g.** *T. gemina*, England, *compar*, Britain, Algeria, Madeira, **n. spp.**, EATON, p. 57, t. c.
Xenapates **n. g.** for part of *Pericoma*, EATON, l. c.

TIPULIDÆ and RHYPHIDÆ.

[Cf. DE MEIJERE (934), SNODGRASS (1323), WAHLGREN (1463).]

Revision of Zetterstedt's types of Scandinavian *Tipulidæ*, WAHLGREN, pp. 1-13, Arkiv Zool. ii, No. 7.
SNODGRASS describes figures and compares the male genitalia in a large number of N. American *Tipulidæ*, Tr. Amer. ent. Soc. xxx, pp. 179–236, pls. viii–xviii.

Ctenophora ornata and *flaveolata*, habits, GIARD, p. 87, Bull. Soc. ent. France 1904.
Eriocera nigripennis, Java, MEIJERE, p. 92, Bijdr. Dierk. xviii, **n. sp.**
Dicranomyia modesta, egg-masses, GIARD, p. 107, Feuille Natural. xxxiv.
D. aperta, Scandinavia, WAHLGREN, p. 8, Arkiv Zool. ii, No. 7 ; *D. kobusi*, Java, MEIJERE, p. 91, pl. viii, figg. 5, 6, Bijdr. Dierk. xviii : **n. spp.**
Pachyrrhina dorsalis, p. 89, *fallax*, *scurroides*, Java, *dimidiata*, New Guinea, p. 90, pl. viii, fig. 4, MEIJERE, t. c. **n. spp.**
Pselliophora insignis, *nigrithorax*, p. 87, *stigmatica*, p. 88, pl. viii, fig. 1, Java, MEIJERE, t. c. **n. spp.**
Rhipidia pulchra, Java, MEIJERE, p. 92, pl. viii, fig. 7, t. c. **n. sp.**
Rhyphus minor Zett., not valid, WAHLGREN, p. 17, Arkiv Zool. ii, No. 7.
Tipula thibetana, Ta-tsienlu, MEIJERE, p. 89, t. c. **n. sp.**

SIMULIIDÆ.

Simulium, criticism of Zetterstedt's species, WAHLGREN, pp. 17-19, Arkiv Zool. ii, No. 7 ; *S. tephrodes* n. n. for *cinereum* Bell., SPEISER, p. 148, Ins. Börse 1904.
S. notatum, Arizona, ADAMS, p. 434, Kansas Univ. Sci. Bull. ii, **n. sp.**

BIBIONIDÆ.

[Cf. COQUILLETT (313, 315), DE MEIJERE (934).]

Bibio obscuripennis, Darjiling, MEIJERE, p. 87, Bijdr. Dierk. xviii, **n. sp.**
Bibiodes **n. g.** *B. halteralis* **n. sp.**, California, COQUILLETT, p. 171, P. ent. Soc. Washington vi.
Dilophus fumosus, *rhynchops*, Nicaragua, COQUILLETT, p. 91, t. c. **n. spp.**
Plecia lugubris, Ta-tsienlu, MEIJERE, p. 86, Bijdr. Dierk. xviii, **n. sp.**

STRATIOMYIIDÆ and SCENOPINIDÆ.

[Cf. ADAMS (8), COQUILLETT (318), HINE (688), DE MEIJERE (934), MELANDER (936).]

Stratiomyidæ, tables of N. American, MELANDER, Canad. Ent. xxxvi, pp. 14–24.
Cyphomyia schæfferi, S. Texas, COQUILLETT, p. 32, J. N. York Ent. Soc. xii, **n. sp.**
Eudmeta brunnea, Darjiling, MEIJERE, p. 94, pl. viii, fig. 19, Bijdr. Dierk. xviii, **n. sp.**
Euparyphus obliquus, British Columbia, HINE, p. 87, Canad. Ent. xxxvi, **n. sp.**
Hermetia fenestrata, Palembang, pl. viii, fig. 9, *læta*, Bengal, p. 93, MEIJERE, Bijdr. Dierk. xviii, **n. spp.**
Macrosargus texanus, N. America, MELANDER, p. 19, Canad. Ent. xxxvi, **n. sp.**
Nemotelus abdominalis, *bellulus*, *kansensis*, *trinotatus*, characters, MELANDER, pp. 33, 34, Psyche xi.
Ptecticus tricolor, Java, MEIJERE, p. 95, pl. viii, fig. 11, Bijdr. Dierk. xviii, **n. sp.**
Rosapha bimaculata, Java, MEIJERE, p. 96, pl. viii, figg. 13, 14, t. c. **n. sp.**
Scenopinus mirabilis electa, Arizona, ADAMS, p. 445, Kansas Univ. Sci. Bull. ii, **n. spp.**

TABANIDÆ.

[Cf. ADAMS (8), BRUMPT (136), HINE (689, 691), JOHNSON (765), RICARDO (1172), VILLENEUVE (1459), WHITNEY (1525).]

Revision of *Tabaninæ*, RICARDO, Ann. Nat. Hist. xiv, pp. 349–372.
Tabanidæ of N. America, HINE, pp. 217–249, Ohio Natural. v.
Tabanidæ, *Chrysops* etc., as transmittors of sleeping sickness, BLANCHARD, Arch. parasit. viii, pp. 573–589.
Tabanidæ injurious to stock, N. America, HINE, pp. 57–60, Bull. U. S. Dep. Agric. Ent. xliv, and xlvi, pp. 23–25, habits, oviposition.

Chrysops pachycera ♀, ADAMS, p. 442, Kansas Univ. Sci. Bull. ii.
C. lupus, *pikei*, N. America, WHITNEY, p. 205, Canad. Ent. xxxvi; *C. fulvistigma*, *brimleyi*, N. Carolina, HINE, p. 55, Canad. Ent. xxxvi; *C. coquillettii*, California, HINE, p. 220, Ohio Natural. v : **n. spp.**
Diachlorus ferrugatus, "yellow-fever fly," BANKS, p. 290, Ent. News Philad. xv.
Dichelacera grandis, Brit. Honduras, RICARDO, p. 371, Ann. Nat. Hist. xiv, **n. sp.**
Nemorius vitripennis, habits, VILLENEUVE, p. 235, Bull. Soc. ent. France 1904.
Snowiellus **n. g.** *S. atratus* **n. sp.**, Arizona, HINE, p. 230, Ohio Natural. v.
Tabanus hinei n. n. for *politus* Johns., JOHNSON, p. 15, Psyche xi; *T. 4-punctatus* Wied. to *Therioplectes*, SPEISER, p. 148, Ins. Börse 1904.
T. benedictus, *T.* (*Therioplectes*) *typhus*, N. America, WHITNEY, p. 206, Canad. Ent. xxxvi; *T.* (*Therioplectes*) *whitneyi*, Massachusetts, JOHNSON, p. 15, Psyche xi; *T. flavidus*, Texas and Mexico, p. 236, *laticeps*, California, *laticornis*, Arizona and Mexico, p. 239, *osburni*, Brit. Columbia, p. 241, *productus*, Wyoming, p. 242, HINE, Ohio Natural. v : **n. spp.**
Udenocera **n. g.** *Tabaninæ*, p. 354, for *U. brunneus* **n. sp.**, Ceylon, p. 355, RICARDO, Ann. Nat. Hist. xiv.

LEPTIDÆ, incl. XYLOPHAGIDÆ.

[Cf. ADAMS (8), COQUILLETT (315), DE MEIJERE (934), VILLENEUVE (1459).]

Chrysopila simplex, Java, MEIJERE, p. 97, Bijdr. Dierk. xviii; *C. lucifera*, p. 437, *bella*, *flavibarbis*, p. 438, North America, ADAMS, Kansas Univ. Sci. Bull. ii : **n. spp.**

Leptis pluralis, p. 441, *palpalis*, p. 442, Washington, ADAMS, t. c. **n. spp.**

Symphoromyia flavipalpes, Colorado, ADAMS, p. 439, t. c.; *S. securifera*, California, COQUILLETT, p. 171, P. ent Soc. Washington vi : **n. spp.**

Xylophagus nitidus, New Hampshire, ADAMS, p. 435, Kansas Univ. Sci. Bull. ii, **n. sp.**

THEREVIDÆ.

[Cf. ADAMS (8), COQUILLETT (313, 315), VILLENEUVE (1459).]

Psilocephala aurantiaca, California, COQUILLETT, p. 177, P. ent. Soc. Washington vi; *P. occipitalis*, p. 443, *lateralis*, p. 444, Arizona, ADAMS, Kansas Univ. Sci. Bull. ii; *P. pruinosa*, Nicaragua, COQUILLETT, p. 91, P. ent. Soc. Washington vi : **n. spp.**

Thereva, synonymy and variation, VILLENEUVE, pp. 171, 172, Feuille Natural. xxxiv.

T. anomala, Arizona, ADAMS, p. 444, Kansas Univ. Sci. Bull. ii, **n. sp.**

ASILIDÆ, MYDASIDÆ.

[Cf. ADAMS (8), BACK (73), BRÈTHES (175), COQUILLETT (315, 318), VILLENEUVE (1459).]

CORTI gives the characters of certain unnamed species of Portuguese *Asilidæ*, Rend. Ist. Lombardo xxxvi, pp. 1071–1073.

Ablautus flavipes, *rubens*, N. America, COQUILLETT, p. 178, P. ent. Soc. Washington vi, **n spp.**

Anisopogon johnsoni, Colorado, BACK, p. 293, Canad. Ent. xxxvi, **n. sp.**

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Cyrtopogon nigricolor, *tibialis*, p. 183, *maculosus*, *varipennis*, p. 184, N. America, COQUILLETT, P. ent. Soc. Washington vi, **n. spp.**

Dasyllis cinerea, p. 289, *fernaldi*, p. 290, N. America, BACK, Canad. Ent. xxxvi, **n. spp.**

Dioctrodes **n. g.** near *Dioctria*, *D. flavipes* **n. sp.**, Missouri, COQUILLETT, p. 181, P. ent. Soc. Washington vi.

Dysmachus harpax, France, VILLENEUVE, pp. 167–173, Feuille Natural. xxxiv, **n. sp.**

Erax tuberculata, S. Texas, COQUILLETT, p. 34, J. N. York Ent. Soc. xii, **n. sp.**

Holopogon latus, S. Texas, COQUILLETT, p. 33, t. c. **n. sp.**

Laphystia flavipes, *limatula*, *opaca*, N. America, COQUILLETT, p. 180, P. ent. Soc. Washington vi, **n. spp.**

Leptogaster virgatus, p. 177, *hirtipes*, p. 178, N. America, COQUILLETT, t. c.; *L. tornowii*, Buenos Aires, BRÈTHES, p. 337, An. Mus. Buenos Aires xi : **n. spp.**

Metapogon **n. g.** near *Cyrtopogon*, p. 181, *M. gilvipes*, *punctipennis* **n. spp.**, N. America, p. 182, COQUILLETT, P. ent. Soc. Washington vi.

Mydas abdominalis, Arizona, ADAMS, p. 434, Kansas Univ. Sci. Bull. ii, **n. sp.**

Myolestes **n. g.** near *Allopogon*, p. 338, *A. lynchii* **n. sp.**, Tucuman, p. 339, BRÈTHES, An. Mus. Buenos Aires xi.
Ospriocerus albifasciatus, Florida, BACK, p. 292, Canad. Ent. xxxvi, **n. sp.**
Saropogon rufus, p. 290, *albifrons*, p. 291, N. America, BACK, t. c.; *S. luteus*, *hyalinus*, p. 185, *semiustus*, p. 186, California, COQUILLETT, P. ent. Soc. Washington vi : **n. spp.**
Stenopogon and *Scleropogon* distinguished, COQUILLETT, p. 179, P. ent. Soc. Washington vi.
S. nigritulus, California, COQUILLETT, t. c.; *S. tenebrosus*, *pumilus*, p. 33, *nitens*, p. 34, S. Texas, COQUILLETT, J. N. York Ent. Soc. xii : **n. spp.**

BOMBYLIIDÆ.

[Cf. COQUILLETT (315, 318), HINE (688), KÜNCKEL (847), VILLENEUVE (1459).]

Acreotrichus atratus, Mexico, COQUILLETT, p. 176, P. ent. Soc. Washington vi, **n. sp.**
Anastoechus nitidulus, localities, JOHNSON, p. 16, Psyche xi.
Anthrax harveyi, British Columbia, HINE, p. 88, Canad. Ent. xxxvi, **n. sp.**
Phthiria unimaculata, S. Texas, COQUILLETT, p. 32, J. N. York Ent. Soc. xii; *P. melanoscuta*, Arizona, *fulvida*, Mexico, p. 172, *marginata*, *vittiventris*, *nubeculosa*, p. 173, *inornata*, *badia*, p. 174, *picturata*, *flaveola*, *amplicella*, p. 175, *bicolor*, p. 176, N. America, COQUILLETT, P. ent. Soc. Washington vi : **n. spp.**
Ploas alpicola, Lautarets, VILLENEUVE, p. 72, Feuille Natural. xxxiv, **n. sp.**
Systœchus leucophoeus var. n. *gallicus*, VILLENEUVE, p. 72, Feuille Natural. xxxiv.
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ACROCERIDÆ.

Acrocera fasciata, habits, JOHNSON, p. 17, Psyche xi.
Oncodes albiventris, Canada, JOHNSON, p. 18, t. c. **n. sp.**
Opsebius pterodontinus, JOHNSON, p. 16, t. c.

EMPIDÆ.

[Cf. BEZZI (124, 125).]

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Acarterus pallipes, Bombay, BEZZI, p. 335, Ann. Mus. Hungar. ii, **n. sp.**
Anthepiscopus antipodus, Sydney, BEZZI, p. 339, t. c. **n. sp.**
Chersodromia lutescens, Sydney, BEZZI, p. 358, t. c. **n. sp.**
Clinocera (*Wiedemannia*) *microstigma*, Bosnia, BEZZI, p. 201, t. c. **n. sp.**
Coloboneura argyropalpa, New Guinea, BEZZI, p. 358, t. c. **n. sp.**
Ctenodrapetis **subg. n.** cf. *Drapetis*.
Drapetis; catalogue of the genus with the following new names, *distans* (=*divergens* Bezzi), *phœoptera* (=*obscuripennis* Bezzi), BEZZI, pp. 143–146, Wien. ent. Zeit. xxiii.
D. obscuripennis, p. 351, *xanthopyga*, p. 352, *divergens*, *bihamata*, p. 353, *callosotibia*, p. 354, *D.* (*Ctenodrapetis* subg. n. p. 351) *gracilis*, p. 354, New Guinea, *discoidalis*, E. India, *ciliatocosta*, Brisbane, p. 355, *rubrithorax*, p. 356, New Guinea, BEZZI, Ann. Mus. Hungar. ii, **n. spp.**
Elaphropeza spuria, New Guinea, p. 347, *metatarsata*, Ceylon, p. 348, *bicolor*, Paramatta, *basalis*, Ceylon, p. 349, BEZZI, t. c. **n. spp.**
Empis hilaræformis, p. 340, *cyanescens*, p. 342, N. S. Wales, *ceylonica*, Pattipola, p. 343, *papuana*, New Guinea, p. 344, BEZZI, t. c. **n. spp.**

Halsanalotes setifrons, N. S. Wales, BEZZI, p. 357, t. c. **n. sp.**
Hilara huttoni n. n. for *fulvipes* Hutt., BEZZI, p. 360, t. c.
Hybos bisetosus, E. India, p. 324, *pollinosus*, p. 326, *brachystigma*, p. 327, Australia, BEZZI, t. c. **n. spp.**
Leptopeza pulcherrima, p. 336, *bimaculata*, p. 337, *tachydromiæformis*, p. 338, Australia, BEZZI, t. c. **n. spp.**
Ptilophyllodromia **n. g.** *Hemerodromini*, p. 344, *P. biroi* **n. sp.**, New Guinea, p. 345, BEZZI, t. c.
Rhamphomyia pokornyi, p. 198, *anfractuosa*, p. 199, Australia, *nubigena*, p. 200, *chionoptera*, p. 201, Tyrol, BEZZI, t. c. **n. spp.**
Syndyas parvicellulata, Ceylon and New Guinea, p. 321, *eumera*, New Guinea, p. 323, BEZZI, t. c. **n. spp.**
Syneches bigoti n. n. for *bicolor* Big., BEZZI, p. 360, t. c.
Syneches; *Epiceia*, *Harpamerus* subgenn.; characters, p. 329, *S. dichætophorus*, p. 330, *S.* (*Epiceia*) *hyalopterus*, p. 331, *minor*, p. 332, *S.* (*Harpamerus*) *dinoscelis*, p. 333, New Guinea, BEZZI, t. c. **n. spp.**
Tachydromia (*Platypalpus*) *chionochæta*, New Guinea, BEZZI, p. 359, t. c. **n. sp.**

DOLICHOPIDÆ.

[Cf. ALDRICH (21), COQUILLETT (315), JOHNSON (765), OLDENBERG (993), ROUBAUD (1200), SNODGRASS (1324), VERRALL (1438).]

Catalogue and tables of British *Dolichopodidæ*, VERRALL, Ent. Mag. xl, pp. 164 etc.
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Marine larvæ—supposed *Aphrosylus*—commensal with *Balanus*, described, ROUBAUD, pp. 338–340, Bull. Mus. Paris ix.

Agonosoma, *Psilopus* and *Sciapus*, synonymy, ALDRICH, p. 246, Canad. Ent. xxxvi.
Argyra aldrichi, New Jersey, JOHNSON, p. 18, Psyche xi, **n. sp.**
Dolichopus; European catalogued and classified, VERRALL, pp. 241, 242, Ent. Mag. xl.; *Dolichopus andalusiacus*, p. 226, *lineaticornis*, p. 227, characters, VERRALL, t. c.
D. laticola, England, VERRALL, p. 197, t. c. **n. sp.**
Psilopodinus = (*Gnamptopsilopus* Aldr.), ALDRICH, p. 247, Canad. Ent. xxxvi.
Saucropus = (*Neurigona*), the European, OLDENBERG, pp. 65–81, pl. i, Zeitschr. Hym. Dipt. iv.
S. cilipes, Macugnaga, p. 71, *lineatus*, Germany, p. 73, id. t. c. **n. spp.**
Sciapus pruinosus, Florida, COQUILLETT, p. 186, P. ent. Soc. Washington vi, **n. sp.**

PLATYPEZIDÆ.

Agathomyia, table of European, with distinction of *wankowiczii* and *aurantiaca*, CZERNY, pp. 137–139, Wien. ent. Zeit. xxiii.

SYRPHIDÆ.

[Cf. ADAMS (8), BRÈTHES (329), DE MEIJERE (934, 935), VERRALL (1439), WILLIS & BURKILL (1533).]

Syrphidæ of Normandy, list, PORTEVIN, Feuille Natural. xxxiv, pp. 209–213.
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Syrphidæ and flowers, Clova, WILLIS & BURKILL, Ann. Scott. Nat. Hist. 1904, pp. 166–168.

Baccha bonariensis, Argentina, BRÈTHES, p. 340, An. Mus. Buenos Aires xi, **n. sp.**
Callicera yerburyi, Scotland, VERRALL, p. 229, Ent. Mag. xl, **n. sp.**
Ceria trinotata, Darjiling, MEIJERE, p. 97, Bijdr. Dierk. xviii, **n. sp.**
Helophilus curvigaster Macq., characters, MEIJERE, p. 99, t. c.
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Nausigaster scutellaris, Arizona, ADAMS, p. 446, Kansas Univ. Sci. Bull. ii, **n. sp.**
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DIPTERA, PUPIPARA (incl. STREBLIDÆ).

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APHANIPTERA, (or SIPHONAPTERA).

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Fleas on rats, TIRABOSCHI (1388).

Anomiopsyllus **n. g.** for *Typhlopsylla nudata* Bak., BAKER, p. 425, P. U. S. Mus. xxvii.
Ceratophyllus italicus, Italy, on rats, TIRABOSCHI, p. 266, cuts, Arch. parasit. viii; *C. henleyi*, Egypt, ROTHSCHILD, p. 3, Entomologist 1904; *C. killi*, Sydney, p. 622, pl. xi, figg. 43, 44, *woodwardi*, W. Australia, p. 623, pl. x, fig. 41, and xi, fig. 42, *thomasi*, Australia, p. 625, pl. xi, figg. 45, 48, *zethi*, Gippsland, p. 626, pl. xi, fig. 50, and xii, fig. 52, *ochi*, Victoria, p. 628, pl. xi, fig. 49, and xii, fig. 54, *novæguineæ*, New Guinea, p. 629, pl. xiii, figg. 66, 67, *ahalæ*, p. 631, pl. xi, fig. 51, xii, fig. 55, and xiii, fig. 60, *alladinis*, p. 632, pl. xii, fig. 53, India, *endymionis*, Chile, p. 634, pl. xiv, fig. 70, *agrippinæ*, p. 634, pl. xii, figg. 56, 57, and xiii, figg. 62, 64, *dorippæ*, p. 636, *numæ*, p. 637, pl. xii, fig. 58, and xiii, figg. 59, 63, 65, *octavii*, p. 638, pl. xiii, fig. 61, Cape Colony, ROTHSCHILD, Nov. Zool. xi; *C. dentatus*, Idaho, on *Lynx*, p. 390, *perpinnatus*, Queen Charlotte islds., p. 391, *tuberculatus*, Idaho, on *Citellus*, p. 393, *alaskensis*, Alaska, on *Citellus*, p. 394, *californicus*, California, p. 395, *oculatus*, Washington, p. 396, *ciliatus*, California, p. 397, *pseudarctomys*, New York, p. 399, *leucopus*, New York, on *Peromys*, p. 401, *labiatus*, Idaho, on *Lynx*, p. 402, *sexdentatus*, California on *Neotoma*, p. 403, *wagneri*, Idaho, on *Peromyscus*, p. 405, *asio*, Massachusetts, on *Megascops*, p. 406, *canadensis*, Ottawa, p. 407, *vison*, New York, on *Putorius*, p. 408, *lucidus*, Colorado, p. 410, *arctomys*, New York, p. 411, *proximus*, California, p. 412, *idahoensis*, Idaho, p. 413, *petiolatus*, Idaho, on *Lynx*, *eremicus*, Arizona, on *Peromyscus*, *stylosus*, Oregon, on *Aplodontia*, BAKER, P. U. S. Mus. xxvii : **n. spp.**
Ceratopsylla palposus, Brit. Columbia, p. 652, ROTHSCHILD, Nov. Zool. xi; *C. wolffsohni*, Paraguay, ROTHSCHILD, p. 147, Revist. chilena viii : **n. spp.**
Chætopsylla mikado, Japan, ROTHSCHILD, p. 645, pl. xiv, fig. 76, Nov. Zool. xi, **n. sp.**
Ctenocephalus serraticeps var. *murina*, TIRABOSCHI, p. 259, cut p. 260, Arch. parasit. viii.
Ctenophthalmus pseudagyrtes, characters, p. 641, pl. xiv, figg. 73, 78, and xv, fig. 81, ROTHSCHILD, Nov. Zool. xi.

C. pseudagyrtes, p. 421, *yenalis*, p. 424, N. America, BAKER, P. U. S. Mus. xxvii; *C. wenmanni*, British Columbia, p. 642, pl. xiv, figg. 75, 77, 79, *antiquorum*, Brazil, p. 643, pl. xiv, fig. 72, and xv, figg. 80, 82, ROTHSCHILD, Nov. Zool. xi : **n. spp.**

Ctenopsyllus granti, British Columbia, p. 646, pl. xv, figg. 84, 87, and xvii, fig. 91, *aganippes*, Cape Colony, p. 647, pl. xv, fig. 83, and xvi, fig. 90, *brooksi*, British Columbia, p. 649, pl. xv, figg. 86, 88, and xvi, fig. 89, *hygini*, Canada, p. 650, pl. xv, fig. 85, and xvi, figg. 93, 94, *hyrtaci*, British Columbia, p. 652, pl. xvi, figg. 92, 95, ROTHSCHILD, t. c.; *C. hesperomys*, New Hampshire, BAKER, p. 428, P. U. S. Mus. xxvii : **n. spp.**

Lycopsylla **n. g.** near *Pulex*, *L. novus* **n. sp.**, N. S. Wales, pl. vii, figg. 1–4, ROTHSCHILD, p. 602, Nov. Zool. xi.

Malacopsylla = (*Megapsylla* Baker), ROTHSCHILD, p. 603, t. c.

M. androcli, Brazil, p. 604, pl. vii, fig. 10 and viii, figg. 11–15, *agenoris*, Argentina, p. 606, pl. vii, figg. 5–9, and viii, fig. 13, ROTHSCHILD, t. c. **n. spp.**

Pulex irritans, *simulans*, ? identical, WEBSTER, p. 244, Canad. Ent. xxxvi.

P. murinus, Italy on rats (? = *cheopis* Rothsch.), TIRABOSCHI, p. 252, cut, p. 251, Arch. parasit. viii; *P. mycerini*, p. 1, *ramesis*, *pyramidis*, p. 3, Egypt, ROTHSCHILD, Entomologist 1904; *P. creusæ*, p. 608, pl. viii, fig. 18, and ix, fig. 25, *erilli*, p. 610, pl. viii, figg. 16, 17, and ix, fig. 22, *eridos*, p. 611, pl. viii, fig. 21, and ix, fig. 23, *riggenbachi*, p. 611, pl. viii, figg. 19, 20, and ix, fig. 24, Cape Colony, *australis*, Mexico and S. America, p. 613, pl. ix, fig. 29, and x, figg. 34, 36, *cleophontis*, Buenos Aires, p. 614, pl. x, fig. 32, *concitus*, p. 615, pl. x, figg. 38, 40; *simonsi*, p. 616, pl. ix, fig. 30, and x, fig. 37, Bolivia, *cocyti*, p. 617, pl. ix, fig. 26, and x, fig. 31, *corfidii*, p. 619, pl. ix, fig. 27, and x, fig. 33, Chile, *klagesi*, Venezuela, p. 620, pl. ix, fig. 28, and x, figg. 35, 39, ROTHSCHILD, Nov. Zool. xi; *P. brasiliensis*, on *Mus*, p. 379, *lutzii*, on *Grison*, p. 380, S. America, *anomalus*, Colorado, p. 381, *affinis*, Arizona on *Lepus*, p. 382, *lynx*, Idaho on *Lynx*, p. 383, BAKER, P. U. S. Mus. xxvii : **n. spp.**

Sarcopsylla rhynchopsylla, Italy, on rats, TIRABOSCHI, p. 309, Arch. parasit. viii, **n. sp.**

Stephanocircus and *Hystrichopsylla*, distinguished, species of *S.*, synonymy of species found on *Dasyurus maculatus*, RAINBOW, pp. 53–55, Rec. Austral. Mus. v.

Typhloceras rosenbergi, Ecuador, p. 639, pl. xiii, figg. 68, 69, and xiv, figg. 71, 74, ROTHSCHILD, Nov. Zool. xi, **n. sp.**

Typhlopsylla tristis to *Ceratophyllus*, p. 625, pl. xi, figg. 45, 47, ROTHSCHILD, t. c.

T. monticola, Bosnia, KOHAUT, p. 87, Ann. Mus. Hungar. ii, **n. sp.**; also p. 88, Allatt. Kozl. Magyar Tars. iii.

Xestopsylla **n. g.** for *Sarcopsylla gallinacea*, BAKER, p. 374, P. U. S. Mus. xxvii.

(E.) *HEMIPTERA* OR *RHYNCHOTA.*

The trophi, classification, 2 new suborders, *Sandaliorrhyncha* fossil, *Conorrhyncha* for *Thaumatoxena*, BÖRNER (157).
Conorrhyncha n. suborder for the following :
Thaumatoxena **n. g.** (!), *T. wasmanni* **n. sp.**, Natal with *Termes natalensis*, BREDDIN & BÖRNER, pp. 84–94, SB. Ges. naturf. Berlin 1904.
Cimex : the type of, KIRKALDY & W. T. B., Nature lxix, pp. 464, 465.
KIRKALDY proposes 77 new generic names, and gives a list of others not included in Scudder or Waterhouse ; Entomologist 1904, pp. 279–283.
New *Paleohemiptera*, Permian, Russia, see HANDLIRSCH, Palæoentomology, p. 125.
Alaska *Heteroptera*, reprint, HEIDEMANN (672).
Effect of stink of *Hemiptera*, CONRADI (306).
Notes on habits and young of 15 species, XAMBEU (1539).

HEMIPTERA-HETEROPTERA.

PENTATOMIDÆ.

[Cf. BERGROTH (102, 105), BREDDIN (165, 167, 168, 169, 171), DISTANT (388, 390), HORVÁTH (715, 717), JAKOVLEFF (754, 755, 757), MARTIN (918), REUTER (1163), SCHOUTEDEN (1235–1239), VAN DUZEE (1430).]

The genera of *Scutellerinæ* with lists of the species, SCHOUTEDEN, Scutellerinæ, Wytsman Gen. Ins. fasc. xxiv, 98 pp., 5 plates.
Annotated list of *Pentatomidæ* of America north of Mexico, and descriptions of 12 spp. n., VAN DUZEE, Tr. Amer. ent. Soc. xxx, pp. 1–80.
Damellera **n. n.** for *Damelia*, *Montandoneus* **n. n.** for *Gabonia*, *Atelias* **n. n.** for *Ætius*, *Texas* **n. n.** for *Melanostoma*, *Grimgerda* **n. n.** for *Macrothyreus*, *Menuthias* **n. n.** for *Ilerda* ; *Bergthora* **n. n.** for *Cryptoporus*, *Xosa* **n. n.** for *Anubis*, *Acanthidiellum* **n. n.** for *Acanthidium*, *Stictocoris* **n. n.** for *Stictonotus*, *Liodermion* **n. n.** for *Lioderma*, *Gueriniellus* **n. n.** for *Platycoris*, *Burma* **n. n.** for *Paramecus*, *Eupododus* **n. n.** for *Pododus*, *Ochisme* **n. n.** for *Trachyops*, *Dolichisme* **n. n.** for *Petrisia*, KIRKALDY, p. 280, Entomologist 1904.

Acanthosoma cruciata var. n. *cooleyi*, VAN DUZEE, p. 74, Tr. Amer. ent. Soc. xxx.
A. korolkovi, Mantchuria, JAKOVLEFF, Rev. russe Ent. 1904 ; *A. atricornis*, Montreal, VAN DUZEE, p. 75, Tr. Amer. ent. Soc. xxx : **n. spp.**
Afraniella **n. g.** near *Afrania*, for *A. lambaremi* **n. sp.**, Congo, SCHOUTEDEN, p. 137, Ann. Soc. ent. Belgique xlviii.
Agonoscelis versicolor var. n. *tibialis*, HORVÁTH, p. 261, table of African *Ag.* p. 262, Ann. Mus. Hungar. ii.
A. cognata, E. Africa, HORVÁTH, p. 260, t. c. **n. sp.**
Alamprella **n. g.** near *Geotomus*, *A. singularis* **n. sp.**, Guinea, HORVÁTH, p. 354, t. c.
Antestia philippina n. n. for *confusa* Br., BREDDIN, p. 10, Wien. ent. Zeit. xxiii.
A. gibba, New Guinea, BREDDIN, p. 10, t. c. **n. sp.**

Asaca punctiventris, Tonkin, BREDDIN, p. 10, t. c. **n. sp.**
Aspavia escalerai, Cameroons, SCHOUTEDEN, p. 157, Mem. Soc. Espan. i, **n. sp.**
Aspideurus metallicus, Java, BREDDIN, p. 10, Wien. ent. Zeit. xxiii, **n. sp.**
Atelides sumatranus, Sumatra, BREDDIN, p. 18, t. c. **n. sp.**
Aspongopus viduatus, "melon-bug," plate B, p. 43, BALFOUR, 1st Rep. Wellcome Lab.
Basicryptus nigromaculatus, E. Africa, SCHOUTEDEN, p. 141, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Bathycœlia nesophila, malachitica, St. Thomé isld., HORVÁTH, p. 268, Ann. Mus. Hungar. ii, **n. spp.**
Bergrothina **n. g.** *Pentat., camerunensis* **n. sp.**, W. Africa, SCHOUTEDEN, p. 155, Mem. Soc. espan. i.
Brachyaulax oblonga var. n. *splendens*, SCHOUTEDEN, p. 297, Ann. Soc. ent. Belgique xlviii.
Brachyplatys rubromaculatus, Guinea, SCHOUTEDEN, p. 142, Mem. Soc. espan. i, **n. sp.**
Brachyrhamphus haglundi, Cameroons, SCHOUTEDEN, p. 151, t. c. **n. sp.**
Brachystethus coxalis, Peru, Chiriqui, BREDDIN, p. 178, Soc. ent. xviii, **n. sp.**
Brepholoxa **n. g.** near *Liotropis*, *B. heidemanni* **n. sp.**, Florida, VAN DUZEE, p. 78, Tr. Amer. ent. Soc. xxx.
Brochymena affinis, California, VAN DUZEE, p. 29, t. c. **n. sp.**
Callidea haglundi, Trop. Africa, p. 42, SCHOUTEDEN, Rhynch. æthiop. **n. sp.**
Calliscyta australis, SCHOUTEDEN, p. 296, Ann. Soc. ent. Belgique xlviii.
Carbula teretipes, Madagascar, HORVÁTH, p. 260, Ann. Mus. Hungar. ii, **n. sp.**
Caura excelsa var. n. *limbata*, HORVÁTH, p. 257, t. c.; *C. excelsa* = (*insignis* Schout.), SCHOUTEDEN, p. 138, Ann. Soc. ent. Belgique xlviii.
Chelysoma glirina, Brazil, BERGROTH, p. 354, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Chilocoris assmuthi, p. 407, *solenopsidis*, p. 408, India, myrmecophilous, BREDDIN, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Chipatula agilis, E. Africa, SCHOUTEDEN, p. 135, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Cocalus assimilis, E. Africa, HORVÁTH, p. 257, Ann. Mus. Hungar. ii, **n. sp.**
Coquerelia ventralis, Madagascar, HORVÁTH, p. 263, t. c. **n. sp.**
Corimelæna sayi n. n. for *albipennis* Say, VAN DUZEE, p. 10, Tr. Amer. ent. Soc. xxx.
C. gillettii, New Jersey, VAN DUZEE, p. 8, t. c.; *C. major*, Brazil, BREDDIN, p. 49, Soc. ent. xix : **n. spp.**
Dalcantha angularis, Sumatra, p. 18, *alata*, Tonkin, p. 19, BREDDIN, Wien. ent. Zeit. xxiii, **n. spp.**
Dalpada perelegans, Tonkin, BREDDIN, p. 1, t. c. **n. sp.**
Dalsira brunni, Cameroons, SCHOUTEDEN, p. 142, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Dandinus **n. g.** near *Æschrus*, p. 264, for *D. crassus* **n. sp.**, N. Queensland, p. 265, DISTANT, Ann. Nat. Hist. xiii.
Deroplax circumducta varr. and synonymy, SCHOUTEDEN, p. 301, Ann. Soc. ent. Belgique xlviii.
Discocephala andina, Ecuador, BREDDIN, p. 58, Soc. ent. xix, **n. sp.**
Dolycoris penicillatus, Turkestan, HORVÁTH, p. 580, Ann. Mus. Hungar. ii, **n. sp.**
Dystus villosus, Bolivia, BREDDIN, p. 153, Soc. ent. xviii, **n. sp.**
Edessa suturata var. n. *subandina*, p. 135, *E. oxyacantha*, p. 138, *quadridens*, p. 140, *infulata*, p. 143, *metata*, p. 145, *meditabunda*, p. 152, sex characters, BREDDIN, SB. Ges. naturf. Berlin 1904.
E. schirmeri, pachyacantha, p. 136, *leptacantha*, p. 139, *brachyacantha*,

p. 140, *bœrneri*, p. 141, *handlirschi*, p. 142, *leprosula*, p. 144, *boopis*, p. 146, *heymonsi*, p. 147, *verhoeffi*, *perscita*, p. 149, *capito*, p. 151, *cogitabunda*, p. 153, S. America, BREDDIN, t. c.; *E. infulata*, Peru, *oxyacantha*, Bolivia, BREDDIN, p. 50, Soc. ent. xix; *E. vernicosa*, *hædulus*, Ecuador, *hirculus*, Bolivia, BREDDIN, t. c. p. 178 : **n. sp.**

Elvisura minor, Trop. Africa, SCHOUTEDEN, Rhynch. æthiop. p. 6, **sp. n.**

Empysarus **n. g.** *Tesseratominæ*, p. 315, *E. depressus* **n. sp.**, S. India, p. 316, MARTIN, Bull. Mus. Paris 1904.

Epicoleotichus **subg. n.** of *Coleotichus*, SCHOUTEDEN, p. 6, *Scutellerinæ*.

Euænaria **n. g.** near *Ænaria*, *E. jucunda* **n. sp.**, Tonkin, BREDDIN, p. 2, Wien. ent. Zeit. xxiii.

Eumecopus abdominalis, p. 263, *pallescens*, p. 264, N. Queensland, DISTANT, Ann. Nat. Hist. xiii, **n. spp.**

Eurinome armata, N. Guinea, BREDDIN, p. 4, Wien. ent. Zeit. xxiii, **n. sp.**

Eurostus heros, Tonkin, BREDDIN, p. 16, t. c. **n. sp.**

Eurygaster carinatus, Utah, VAN DUZEE, p. 18, Tr. Amer. ent. Soc. xxx, **n. sp.**

Eusarcoris gibbosus, Corea, JAKOVLEFF, p. 23, Rev. Russe Ent. iv; *E. V-flavum*, Madagascar, HORVÁTH, p. 259, Ann. Mus. Hungar. ii : **n. spp.**

Eusthenes diomedes, Tonkin, BREDDIN, p. 15, Wien. ent. Zeit. xxiii, **n. sp.**

Exithemus mansonicus, Tonkin, BREDDIN, p. 6, t. c. **n. sp.**

Fokkeria **n. g.** *Scutellerides*, *F. crassa* **n. sp.**, N. America, SCHOUTEDEN, p. 301, Ann. Soc. ent. Belgique xlviii.

Galeacius martini, Minas Geraes, SCHOUTEDEN, p. 299, t. c.; *G. simplex*, Peru, BREDDIN, p. 49, Soc. ent. xix : **n. spp.**

Gastroxys **n. g.** near *Diploxys*, p. 257, *G. funerea* **n. sp.**, E. Africa, p. 258, HORVÁTH, Ann. Mus. Hungar. ii.

Geomorpha junodi, Transvaal, DISTANT, p. 350, Ann. Nat. Hist. xiii, **n. sp.**

Glypsus carinulatus, Soudan, BERGROTH, p. 32, Rev. Russe Ent. iv; *G. bouvieri*, Congo, p. 140, *kuhlgatzi*, Africa, p. 141, SCHOUTEDEN, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Gnathoconus elongatus, Transvaal, DISTANT, p. 349, Ann. Nat. Hist. xiii, **n. sp.**

Gonaulax **n. g.** p. 57, *G. bergrothi* **n. sp.**, Usambara, p. 59, pl. i, fig. 8, SCHOUTEDEN, Rhynch. æthiop.

Gonopsis tonkinensis, Tonkin, BREDDIN, p. 19, Wien. ent. Zeit. xxiii, **n. sp.**

Haullevillea **n. g.** near *Amauropepla*, *H. denticulata* **n. sp.**, Trop. Africa, SCHOUTEDEN, p. 126, Rhynch. æthiop.

Iphiarusa **n. g.** near *Hoffmannseggiella*, p. 12, *I. aratrix* **n. sp.**, Tonkin, p. 13, BREDDIN, Wien. ent. Zeit. xxiii.

Irochrotus montandoni, Senegal, p. 88, SCHOUTEDEN, Rhynch. æthiop.; *I. indicus*, Bengal, SCHOUTEDEN, p. 303, Ann. Soc. ent. Belgique xlviii : **n. spp.**

Kayesia **n. g.** near *Podops*, *K. parva* **n. sp.**, Soudan, SCHOUTEDEN, p. 114, Rynch. æthiop.

Laccophorella **n. g.** *Acanthosominæ*, *L. bornemiszæ* **n. sp.**, E. Africa, HORVÁTH, p. 270, Ann. Mus. Hungar. ii.

Lerida bolivari, Guinea, SCHOUTEDEN, p. 146, Mem. Soc. espan. i, **n. sp.**

Lincus securiger, *dentiger*, Ecuador, BREDDIN, p. 154, Soc. ent. xviii, **n. spp.**

Lobopelta **n. g.** *Phyllocephalinæ*, p. 142, for *L. funebris* **n. sp.**, Congo, p. 143, SCHOUTEDEN, Ann. Soc. ent. Belgique xlviii.

Lobothyreus brasiliensis, Brazil, SCHOUTEDEN, p. 300, t. c. **n. sp.**

Macroscytus inermipes, St. Thomé isld., HORVÁTH, p. 253, Ann. Mus. Hungar. ii, **n. sp.**

Malgassus exiguus, Madagascar, HORVÁTH, p. 269, t. c. **n. sp.**

Megadæum, characters and position, BERGROTH, p. 37, Wien. ent. Zeit. xxiii.

M. obliquum, Cameroons, id. p. 39, t. c. **n. sp.**

Melanodermus dilutipes, Ecuador, BREDDIN, p. 154, Soc. ent. xviii, **n. sp.**
Miopygium **n. g.** near *Macropygium*, *M. cyclopeltoides* **n. sp.**, Rio Grande do Sul, BREDDIN, p. 153, t. c.
Montandoniella **n. g.** *Plataspidinæ*, *femorata* **n. sp.**, Guinea, SCHOUTEDEN, p. 144, Mem. Soc. Espan. i.
Morbora hirtula, Tasmania, *schoutedeni*, Queensland, BERGROTH, p. 356, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Moyara martini, Uganda, SCHOUTEDEN, p. 138, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Nealeria diminuta, Madagascar, HORVÁTH, p. 255, Ann. Mus. Hungar. ii, **n. sp.**
Nezara bergrothi, p. 263, *liturata*, *valida*, p. 264, Madagascar, *limbosa*, p. 265, *adelpha*, *macrorhaphis*, p. 266, W. Africa, *rufidorsum*, Madagascar, p. 267, HORVÁTH, t. c. **n. spp.**
Ochrorrhaca **n. g.** near *Ochrophara*, *O. truncaticornis* **n. sp.**, Tonkin, BREDDIN, p. 3, Wien. ent. Zeit. xxiii.
Odontoscelis balli, p. 19, *producta*, p. 20, Colorado, VAN DUZEE, Tr. Amer. ent. Soc. xxx, **n. spp.**
Oncinoproctus **n. g.** near *Eurinome*, *O. griseolus* **n. sp.**, Sikkim, BREDDIN, p. 5, Wien. ent. Zeit. xxiii.
Oncodochilus cruciatulus, Bolivia, BREDDIN, p. 147, Soc. ent. xviii, **n. sp.**
Oplomus cruentus var. n. *inermis*, SCHOUTEDEN, p. 140, Ann. Soc. ent. Belgique xlviii.
O. sagax, Bolivia, BREDDIN, p. 49, Soc. ent. xix; *O. severus*, Peru, BREDDIN, p. 177, t. c. **n. spp.**
Palomena limbata, Koukou-noor, JAKOWLEW, p. 71, Horae Soc. ent. Ross. xxxvii, **n. sp.**
Parabolbocoris **n. g.** *Graphosomatinæ*, *P. signoreti* **n. sp.**, Bogos, SCHOUTEDEN, p. 106, Rhynch. æthiop.
Paracoleotichus subg. n. of *Coleotichus*, SCHOUTEDEN, p. 6, Scutellerinæ.
Parapœcilocoris subg. n., SCHOUTEDEN, p. 21, t. c.
Parochlerus **n. g.** near *Ochlerus*, *P. latus* **n. sp.**, Peru, BREDDIN, p. 153, Soc. ent. xviii.
Pentatoma (*Rhytidolomia*) *osborni*, Colorado, VAN DUZEE, p. 37, Tr. Amer. ent. Soc. xxx, **n. sp.**
Peribalus tristis, Vancouver, VAN DUZEE, p. 33, t. c. **n. sp.**
Periphymopsis **subg. n.**, SCHOUTEDEN, p. 78, Scutellerinæ.
Philia regia=(*leucochalcea* Bredd.) *ærea*=(*compacta* Bredd.), DISTANT, p. 276, Ann. Nat. Hist. xiii; *P. jactator*=(*fenestrata* Bredd.), DISTANT, p. 66, op. cit. xiv.
P. insignis, N. S. Wales, SCHOUTEDEN, p. 297, Ann. Soc. ent. Belgique xlviii, **n. sp.**
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P. corrugata, Colorado, VAN DUZEE, p. 16, Tr. Amer. ent. Soc. xxx, **n. sp.**
Phlœa, its mimicry, PÉREZ, p. 429, C.R. Soc. Biol. lvi.
Platynopus fallax, *horvathi*, Africa, SCHOUTEDEN, p. 139, Ann. Soc. ent. Belgique xlviii, **n. spp.**
Plisthenes buruensis, Buru, BREDDIN, p. 179, Wien. ent. Zeit. xxiii, **n. sp.**
Podisus cynicus, *bracteatus*, distinctions, sex characters, HEIDEMANN, pp. 9, 10, cuts, P. ent. Soc. Washington vi.
P. blanditor, Peru, BREDDIN, p. 46, Soc. ent. xix; *P. carbonarius*, Centr. America, *neniator*, *carnifex*, S. America, BREDDIN, p. 154, t. c.: **n. spp.**
Podops parvulus, N. America, VAN DUZEE, p. 22, Tr. Amer. ent. Soc. xxx, **n. sp.**
Polytes insignis, Bolivia, SCHOUTEDEN, p. 298, Ann. Soc. ent. Belgique xlviii; *P. cingulicornis*, Brazil, BERGROTH, p. 354, Ann. Soc. ent.

Belgique xlviii; *P. onca, grisescens*, Peru, BREDDIN, p. 49, Soc. ent. xix: **n. spp.**
Ponsila escalerai, Guinea, SCHOUTEDEN, p. 142, Mem. Soc. Espan. i, **n. sp.**
Prionocompastes vicarians, Java, BREDDIN, p. 14, Wien. ent. Zeit. xxiii, **n. sp.**
Rhynchocoris patulus, Java, BREDDIN, p. 12, t. c. **n. sp.**
Runibia picturata, Peru, BREDDIN, p. 177, Soc. ent. xviii, **n. sp.**
Sabæus rectispinus, Java, p. 8, *teretispinus*, Sumbawa, *fortispinus*, Buru?, p. 9, BREDDIN, Wien. ent. Zeit. xxiii, **n. spp.**
Scotinophara curvispina, p. 123, E. Africa, *madagascariensis*, Madagascar, p. 125, SCHOUTEDEN, Rhynch. æthiop. **n. spp.**
Sepidiocoris **n. g.** p. 127, *Graphosomatinæ*, *S. noualhieri* **n. sp.**, W. Africa, p. 128, SCHOUTEDEN, t. c.
Severinina **n. g.** near *Melanophara*, p. 116, *S. bergrothi* **n. sp.**, Congo, pl. ii, fig. 10, p. 117, SCHOUTEDEN, Rhynch. æthiop.; *Severinina* and allies, characters amended, SCHOUTEDEN, p. 135, Ann. Soc. ent. Belgique xlviii.
Sibaria andicola, Ecuador, BREDDIN, p. 49, Soc. ent. xix, **n. sp.**
Stenozygum bergrothi n. n. for *bicolor* Sch., SCHOUTEDEN, p. 138, Ann. Soc. ent. Belgique xlviii.
S. mombasanum, E. Africa, SCHOUTEDEN, p. 137, t. c.; *S. varelai*, Cameroons, SCHOUTEDEN, p. 158, Mem. Soc. Espan. i: **n. spp.**
Supputius obscurus, Ecuador, BREDDIN, p. 154, Soc. ent. xviii, **n. sp.**
Symphylus enac, Bolivia, BREDDIN, p. 49, op. cit. xix, **n. sp.**
Tarisa chloris, Turkestan, HORVÁTH, p. 580, Ann. Mus. Hungar. ii, **n. sp.**
Tectocoris lineola, habits, stages, eggs, DODD, pp. 483–485, Tr. ent. Soc. London 1904.
Tesseratoma niamensis, Africa, SCHOUTEDEN, p. 143, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Tetrochlerus **n. g.** near *Ochlerus*, *T. fissiceps* **n. sp.**, Ecuador, BREDDIN, p. 153, Soc. Ent. xviii.
Theseus nigrescens, N. Queensland, DISTANT, p. 263, Ann. Nat. Hist. xiii, **n. sp.**
Thyanta punctiventris, p. 55, *brevis*, p. 56, Colorado, VAN DUZEE, Tr. Amer. ent. Soc. xxx, **n. spp.**
Tolumnia ferruginescens, Tonkin, BREDDIN, p. 7, Wien. ent. Zeit. xxiii, **n. sp.**
Triplatyx **n. g.** near *Eurus*, p. 255, *T. quadraticeps* **n. sp.**, Madagascar, p. 256, HORVÁTH, Ann. Mus. Hungar. ii.
Vanduzeeina **n. g.** *Odontoscelis balli*, SCHOUTEDEN, p. 85, Scutellerinæ.
Xerobia stali, Somaliland, p. 87, SCHOUTEDEN, Rhynch. æthiop. **n. sp.**

COREIDÆ.

[Cf. BREDDIN (166, 171), DISTANT (388–391), GIARD (597), JAKOVLEFF (754, 755), OSBORN (1001).]

Althos **n. n.** for *Margus*, *Nanichisme* **n. n.** for *Nesiotes*, *Dersagrena* **n. n.** for *Dalcera*, *Elachisme* **n. n.** for *Elathea*, *Ouranion* **n. n.** for *Bardistus*, *Marichisme* **n. n.** for *Phidippus*, *Hæckelia* **n. n.** for *Microphyllia*, KIRKALDY, p. 280, Entomologist 1904.
Oviposition of *Pseudophlœus* and *Phyllomorpha*, GIARD, p. 107, Feuille Natural. xxxiv.

Acanthocephala declivis var. n. *guianensis*, OSBORN, p. 198, Ohio Natural. v.
Anasa tristis, copula eggs, parasite, GIRAULT, Ent. News Philad. xv, p. 335.
A. jucunda, Bolivia, BREDDIN, p. 147, Soc. ent. xviii, **n. sp.**
Carlisis serrabilis, Transvaal, DISTANT, p. 350, Ann. Nat. Hist. xiii, **n. sp.**
Coriomeris validicornis, Transcaucasus, p. 293, *integerrimus*, Nan-shan, p. 294, JAKOVLEFF, Rev. Russe Ent. 1904, **n. spp.**

Holymenia tibialis, rubiginosa, S. America, BREDDIN, p. 147, Soc. ent. xviii, **n. spp.**
Hyalymenus (Tivarbus) calcarator, Bolivia, BREDDIN, t. c. p. 148, **n. sp.**
Hypselonotus fuscus, Bolivia, OSBORN, p. 199, Ohio Natural. v, **n. sp.**
Kennetus **n. g.** *Mictaria*, p. 303, for *K. alces* **n. sp.**, Borneo, p. 304, DISTANT, Ann. Nat. Hist. xiii.
Lycambes sargi, Guatemala, BREDDIN, p. 306, Ann. Soc. ent. Belgique xlviii, **n. sp.**
Mercennus **n. n.** for *Melania* Dist., DISTANT, p. 304, Ann. Nat. Hist. xiii.
Mictis loricata, Congo, DISTANT, p. 61, op. cit. xiv, **n. sp.**
Mirperus nigrofasciatus, robustus, Transvaal, DISTANT, p. 352, op. cit. xiii, **n. spp.**
Myrmus formosus. Baikal, JAKOVLEV, p. 93, Rev. Russe Ent. iv, **n. sp.**
Nematopus nigriventris, Ecuador, *rufipes*, Bolivia, BREDDIN, p. 147, Soc. ent. xviii, **n. spp.**
Plinachtus trilineatus, Transvaal, DISTANT, p. 351, Ann. Nat. Hist. xiii, **n. sp.**
Pomponatius **n. g.** near *Cherommatus*, p. 265, for *P. typicus* **n. sp.**, N. Queensland, p. 266, DISTANT, t. c.
Trachelium mimeticum, Bolivia, BREDDIN, p. 147, Soc. ent. xviii, **n. sp.**

LYGÆIDÆ and PYRRHOCORIDÆ.

[Cf. BREDDIN (170, 171), DISTANT (386, 388, 390), HORVÁTH (714, 717), JAKOVLEFF (754, 756), OSBORN (1001), UHLER (1416).]

Antillocoris **n. n.** for *Pygæus*, *Botocudo* **n. n.** for *Salacia*, *Probergrothius* **n. n.** for *Odontopus*, *Peggichisme* **n. n.** for *Davila*, *Polychisme* **n. n.** for *Imbrius*, KIRKALDY, p. 280, Entomologist 1904.

Acroleucus eros, pothus, Ecuador, BREDDIN, p. 148, Soc. ent. xviii, **n. spp.**
Anorygma **subg. n.** cf. *Phænacantha*.
Aphanus atomarius, Transvaal, DISTANT, p. 353, Ann. Nat. Hist. xiii, **n. sp.**
Brachyphyma **n. g.** p. 144, *B. argutum, ochraceum*, p. 145, *papuense*, p. 146, **n. spp.**, New Guinea, HORVÁTH, Ann. Mus. Hungar. ii.
Calliseidus **n. g.** p. 153, *C. nigricollis* **n. sp.**, Peru, p. 154, HORVÁTH, t. c.
Chauliops rutherfordi, Old Calabar, DISTANT, p. 277, Entomologist 1904, **n. sp.**
Colobasiastes, insertion of antennæ, p. 245, cut, BREDDIN, Wien. ent. Zeit. xxiii.
C. similis, p. 162, *longicornis*, p. 163, *obscurus*, p. 166, *rufiventris*, p. 167, Peru, HORVÁTH, Ann. Mus. Hungar. ii; *C. analis*, Bolivia, BREDDIN, p. 249, Wien. ent. Zeit. xxiii : **n. spp.**
Colobathristinæ, monograph, HORVÁTH, pp. 117–172, Ann. Mus. Hungar. ii.
Colobathristes egregius, Brazil, *facetus*, hab.?, HORVÁTH, p. 151, t. c. **n. spp.**
Diascopæa **n. g.** p. 154, *D. discessa*, p. 155, *debilis*, p. 156, **n. spp.**, Peru, HORVÁTH, t. c.
Dieuches scutellatus, consanguineus, N. Queensland, DISTANT, p. 268, Ann. Nat. Hist. xiii, **n. spp.**
Emblethis brevicornis, Turkestan, HORVÁTH, p. 582, Ann. Mus. Hungar. ii; *E. luridus*, E. Turkestan, JAKOVLEFF, p. 24, Rev. Russe Ent. iv : **n. spp.**
Fontejanus wasmanni, amplified description, BREDDIN, pp. 410–412, cut, Ann. Soc. ent. Belgique xlviii.
Geocoris (Piocoris) chinensis, Sé-tschuen, JAKOVLEV, p. 170, t. c.; *G. elongatulus*, N. Queensland, DISTANT, p. 267, Ann. Nat. Hist. xiii : **n. spp.**
Germalus lineolosus, N. Queensland, DISTANT, p. 266, t. c. **n. sp.**
Lygæus sulcatus, Guiana, OSBORN, p. 200, Ohio Natural. v, **n. sp.**

Microtoma præusta, Alaï, JAKOVLEFF, p. 23, Rev. Russe Ent. iv, **n. sp.**
Narcegaster **n. g.** for *Colobathristes geniculatus* St., HORVÁTH, p. 141, Ann. Mus. Hungar. ii.
Nysius pilosulus, Turkestan, HORVÁTH, p. 581, t. c.; *N. rubromaculatus*, Transvaal, DISTANT, p. 352, Ann. Nat. Hist. xiii : **n. spp.**
Oxycarenus scabrosus, New Mexico, UHLER, p. 353, P. U. S. Mus. xxvii, **n. sp.**
Pamera picturata, p. 267, *apicalis*, p. 268, N. Queensland, DISTANT, Ann. Nat. Hist. xiii, **n. spp.**
Peruda longiventris, Peru, HORVÁTH, p. 170, Ann. Mus. Hungar. ii, **n. sp.**
Physopelta melanoptera, W. Africa, DISTANT, p. 61, Ann. Nat. Hist. xiv, **n. sp.**
Piptocentrus **n. g.** p. 157, *P. pilipes* **n. sp.**, Peru, p. 158, HORVÁTH, Ann. Mus. Hungar. ii.
Phænacantha **n. g.** p. 120, *P. biroi*, p. 124, *suturalis*, p. 125, *consobrina*, *ambigua*, p. 126, *femoralis*, p. 127, *unicolor*, *conviva*, p. 128, *mehelyi*, p. 129, New Guinea, *sedula* with var. *melanoscelis*, p. 130, *gestroi*, Sumatra, *strenua*, p. 131, *antennalis*, p. 132, *pilosella*, p. 133, *discrepans*, p. 134, New Guinea, *confusa*, Philippines, p. 135, *pacifica*, Fiji, p. 136, *P.* (*Anorygma* subg. n., p. 137) *solers*, Burma, *viridipennis*, Tenasserim, p. 139, **n. spp.**, HORVÁTH, t. c.
Rhyparochromus compactus, New Mexico, UHLER, p. 354, P. U. S. Mus. xxvii, **n. sp.**
Symphylax **n. g.** p. 142, *S. picticollis* **n. sp.**, with varr. *blandus*, *confluens*, Sumatra, etc., p. 143, HORVÁTH, Ann. Mus. Hungar. ii.
Tagalisca **subg. n.** of *Phænacantha*, for *Colobathristes pallidus* St., HORVÁTH, p. 140, t. c.
Taphrocranum **n. g.** for *Colobathristes robustus* Bredd., HORVÁTH, p. 147, t. c.
Trichocentrus **n. g.** p. 152, *T. gibbosus* **n. sp.**, Brazil, p. 153, HORVÁTH, t. c.

TINGIDÆ.

Corythuca marmorata, life-history, FELT, pp. 125–129, pls. iii, iv, Bull. N. York Mus. lxxvi.
Phyllochisme **n. n.** for *Physatochila* L. & S., *Mæcenas* **n. n.** for *Tingis*, *Gelchossa* **n. n.** for *Leptostyla*, KIRKALDY, p. 280, Entomologist 1904.

ARADIDÆ and PHYMATIDÆ.

[Cf. DISTANT (386), HEIDEMANN (670, 671).]

Aneurus fiskei, N. Carolina, HEIDEMANN, p. 164, P. ent. Soc. Washington vi, **n. sp.**
Aradus uniformis, p. 231, *hubbardi*, p. 232, N. America, HEIDEMANN, t. c. **n. spp.**
Neuroctenus hopkinsi, North Carolina, HEIDEMANN, p. 163, t. c. **n. sp.**
Proxius schwarzii, Florida, HEIDEMANN, p. 230, t. c. **n. sp.**
Glossopelta dudgeoni, Kangra, DISTANT, p. 277, Entomologist 1904, **n. sp.**

HYDROMETRIDÆ.

Gerris thoracicus var. n. *rapidus*, HORVÁTH, p. 582, Ann. Mus. Hungar. ii.
Metrocoris, table of species, KIRKALDY, p. 61, Entomologist 1904.
M. distanti, Zoutpansberg, id. p. 62, t. c. **n. sp.**
Velia brunnea, Bolivia, OSBORN, p. 204, Ohio Natural. v, **n. sp.**

REDUVIIDÆ.

[Cf. BERGROTH (103), BREDDIN (167, 171), DISTANT (383, 388, 390), HORVÁTH (717), JAKOVLEFF (754), NOUALHIER (984), OSBORN (1001), VARELA (1431, 1432).]

Westermannias **n. n.** for *Westermannia*, *Isachisme* **n. n.** for *Algol*, *Peregrinator* **n. n.** for *Microleptes*, *Mestor* **n. n.** for *Lamus*, *Brontostoma* **n. n.** for *Mindarus*, KIRKALDY, p. 280, Entomologist 1904.

BREDDIN notes various forms of larval *Reduviidæ*, found in the nests of Termites and Ants in India and Africa, Ann. Soc. ent. Belgique xlviii, pp. 412–416.

Acanthaspis (*Plynus*) *breddini*, Cameroons, VARELA, p. 55, Bol. Soc. espan. iv; *A. sericata*, p. 258, *porrecta*, p. 261, Ceylon, *zebraica*, Burma, p. 264, *siva*, p. 265, *rama*, p. 268, India, DISTANT, Faun. Brit. India Rhynchota ii; *A. variivenis*, Siam, NOUALHIER, p. 174, pl. x, fig. 1, Mission Pavie iii : **n. spp.**

Alcmena straminipes, *maculosa*, India, DISTANT, p. 370, Faun. Brit. India Rhynchota ii, **n. spp.**

Allœorhynchus bengalensis, India, DISTANT, p. 394, t. c. **n. sp.**

Apiomerus lobulatus, Ecuador, BREDDIN, p. 148, Soc. ent. xviii, **n. sp.**

Arcesius fusculus, Burma, DISTANT, p. 351, Faun. Brit. India Rhynchota ii, **n. sp.**

Audernacus **n. g.** for *Santosia atropictus* Dist. and *A. andamanensis* **n. sp.**, Andamans, DISTANT, p. 306, t. c.

Bayerus **n. g.** near *Santosia*, *B. cuneatus* **n. sp.**, Assam, DISTANT, p. 307, t. c.

Bartacus **n. g.** near *Epidaus* for *Cimex spinifex* Thunb., DISTANT, p. 374, t. c.

Brassivola **n. g.** near *Epidaus*, p. 373, *B. hystrix* **n. sp.**, Ceylon, p. 374, DISTANT, t. c.

Castolus (*Spinda*) *nigriventris*, Bolivia, BREDDIN, p. 148, Soc. ent. xviii, **n. sp.**

Centrocnemis dearmata, Ceylon, DISTANT, Faun. Brit. India Rhynchota ii, **n. sp.**

Cleptria escalerai, Guinea, VARELA, p. 134, Mem. Soc. Espan. i, **n. sp.**

Conorrhinus megistus, attacks on man, POULTON, p. lxxvi, P. ent. Soc. London 1904.

Coranus mongolicus, E. Mongolia, JAKOVLEFF, p. 26, Rev. Russe Ent. iv, **n. sp.**

Croscius melanopterus = (*Castruccius insignis* Dist.), DISTANT, p. 276, Ann. Nat. Hist. xiii.

Dithmarus **n. g.** *Stenopodinæ*, p. 353, for *D. atromaculatus* **n. sp.**, Transvaal, p. 354, DISTANT, t. c.

Dodonæus **n. g.** near *Nabis*, p. 398, *D. humeralis* **n. sp.**, Sikhim, p. 399, DISTANT, Faun. Brit. India Rhynchota ii.

Durganda fulvescens, Tenasserim, DISTANT, p. 283, t. c. **n. sp.**

Ectomocoris erebus, Burma, p. 292, *tibialis*, p. 293, *vishnu*, p. 296, India, DISTANT, t. c.

Edocla pelia, Pegu, DISTANT, p. 275, t. c. **n. sp.**

Elaphocranus **n. g.** *Petalochirinæ*, p. 357, *tarandus* **n. sp.**, Cameroons, p. 358, BERGROTH, Bol. Soc. espan. iv.

Endochus cinnamopterus, *straminipes*, Transvaal, DISTANT, p. 355, Ann. Nat. Hist. xiii; *E. atricapillus*, *umbrinus*, India, DISTANT, p. 367, Faun. Brit. India Rhynchota ii : **n. spp.**

Epidaus atrispinus, Sikhim, *parvus*, Burma, DISTANT, p. 372, t. c. **n. spp.**

Eriximachus **n. g.** near *Physorhynchus*, p. 323, *E. globosus* **n. sp.**, India p. 324, DISTANT, t. c.

Euvonymus **n. g.** *Acanthaspidinæ*, p. 244, *E. spiniceps* **n. sp.**, Ceylon, p. 245, DISTANT, t. c.
Godefridus **n. g.** *Apiomerinæ*, p. 328, *G. alienus* **n. sp.**, Burma, p. 329, DISTANT, t. c.
Harpactor geniculatus, Transcaucasus, JAKOVLEV, p. 94, Rev. Russe Ent. iv ; *H. femoralis*, Transvaal, DISTANT, p. 355, Ann. Nat. Hist. xiii ; *H. squalus*, Sikhim, DISTANT, p. 333, Faun. Brit. India Rhynchota ii, **n. spp.**
Harpagocoris perspectans varr. = (*bergrothi* and *affinis*), BERGROTH, p. 361, Bol. Soc. espan. iv.
H. bergrothi, p. 136, *affinis*, p. 137, *merceti*, *suspectus*, p. 138, W. Africa, VARELA, Mem. Soc. Espan. i, **n. spp.**
Havinthus trochanterus, N. Queensland, DISTANT, p. 269, Ann. Nat. Hist. xiii, **n. sp.**
Henricohahnia gallus, Nilgiri hills, DISTANT, p. 389, Faun. Brit. India Rhynchota ii, **n. sp.**
Heteropinus discretus, Guinea, VARELA, p. 131, Mem. Soc. Espan. i, **n. sp.** ; characters, BERGROTH, op. cit. iv, p. 362.
Libavius **n. g.** near *Mendis*, *L. greeni* **n. sp.**, Ceylon, DISTANT, p. 313, Faun. Brit. India Rhynchota ii.
Linshcosteus **n. g.** near *Conorhinus*, *L. carnifex* **n. sp.**, N. India, DISTANT, p. 287, t. c.
Lisarda varelæ, Cameroons, BERGROTH, p. 360, Bol. Soc. espan. iv, **n. sp.**
Lorichius **n. g.** near *Nabis*, *L. umbonatus* **n. sp.**, Ceylon, DISTANT, p. 402, Faun. Brit. India Reduv. ii.
Marbodus **n. g.** *Epiroderaria*, *M. exemplificatus* **n. sp.**, Ceylon, DISTANT, p. 248, t. c.
Mastigonomus bolivari, Guinea, VARELA, p. 136, Mem. Soc. Espan. i, **n. sp.**
Nabis cinerascens, Turkestan, HORVÁTH, p. 582, Ann. Mus. Hungar. ii ; *N. tibialis*, Ceylon, p. 400, *funebris*, *nigrescens*, p. 401, India, DISTANT, Faun. Brit. India Rhynchota ii : **n. spp.**
Odontogonus **n. n.** for *Laphyctes* Stål nec Reich., BERGROTH, p. 361, Bol. Soc. espan. iv.
Phasmatocoris **n. g.** *Emesiini*, *P. spectrum* **n. sp.**, Bolivia, BREDDIN, p. 148, Soc. ent. xviii.
Phonergates (*Clopophora*) *nuptura*, Cameroons, VARELA, p. 55, Bol. Soc. espan. iv, **n. sp.**
Phonoctonus elegans, Cameroons, VARELA, p. 56, t. c. **n. sp.**
Phonolibes bimaculatus, Transvaal, DISTANT, p. 354, Ann. Nat. Hist. xiii, **n. sp.**
Physorhynchus pedestris, p. 320, *malabaricus*, *talpus*, p. 321, *insignis*, *rubromaculatus*, p. 322, India, DISTANT, Faun. Brit. India Rhynchota ii, **n. spp.**
Prostemma siamense, Siam, NOUALHIER, p. 176, pl. x, fig. 2, Mission Pavie iii, **n. sp.**
Quercetanus **n. g.** near *Scadra*, p. 310, *Q. atromaculatus*, India, *relatus*, Ceylon, **n. spp.**, p. 311, DISTANT, Faun. Brit. India Rhynchota ii.
Reduvius transnominalis n. n. for *debilis* Reut., DISTANT, p. 251, t. c.
R. knyvetti, p. 251, *esau*, *boyesi*, p. 252, *angiportus*, p. 253, India, DISTANT, t. c. **n. spp.**
Rhaphidosoma tuberculatum, Baluchistan, DISTANT, t. c. p. 330, **n. sp.**
Rulandus **n. g.** *Nabinæ*, *R. phædrus* **n. sp.**, Burma, DISTANT, p. 396, t. c.
Santosia finitima, Cameroons, VARELA, p. 133, Mem. Soc. Espan. i, **n. sp.**
Scadra tibialis, *scutellaris*, Assam, DISTANT, p. 309, Faun. Brit. India Rhynchota ii, **n. spp.**
Seridentus **n. g.** near *Shaumannia*, *S. denticulatus* **n. sp.**, Bolivia, OSBORN, p. 203, Ohio Natural. v.

Sminthocoris **n. n.** for *Smithus* Stål, DISTANT, p. 279, Faun. Brit. India Rhynchota ii.
Sphedanolestes dives, variabilis, India, DISTANT, p. 342, t. c. **n. sp.**
Stegius **n. g.** near *Physorhynchus*, p. 322, *S. pravus* **n. sp.**, Bengal, p. 323, DISTANT, t. c.
Sycanus inermis, Assam, *atrocyaneus*, Burma, DISTANT, p. 356, t. c. **n. spp.**
Tragelaphodes **n. g.** *Petalochirinæ*, p. 358, *hirculus* **n. sp.**, Cameroons, p. 360, BERGROTH, Bol. Soc. espan. iv.
Villanovanus **n. g.** for *Endochus dichrous*, DISTANT, p. 364, Faun. Brit. India Rhynchota ii.

ANTHOCORIDÆ, CERATOCOMBIDÆ, HENICOCEPHALIDÆ, POLYCTENIDÆ.

Synonymy of Walker's *Anthocoridæ*, DISTANT, p. 222, Ann. Nat. Hist. xiv.

Amphiareus **n. g.** for *Xylocoris fulvescens* Walk., DISTANT, p. 220, t. c.
Arnulphus **n. g.** for *A. aterrimus* **n. sp.**, Burma, DISTANT, p. 220, t. c.
Ceratocombus niger, p. 361, *latipennis*, p. 362, New Mexico, UHLER, P. U. S. Mus. xxvii, **n. spp.**
Crescentius **n. g.** *Ceratocombinæ*, p. 408, *C. principatus* **n. sp.**, Burma, p. 409, DISTANT, Faun. Brit. India Rhynchota ii.
Henicocephalus pugnatorius, Cape Colony, DISTANT, p. 278, Entomologist 1904, **n. sp.**
Lippomanus **n. g.** *Anthocoridæ* for *L. hirsutus* **n. sp.**, Burma, DISTANT, p. 221, Ann. Nat. Hist. xiv.
Ostorodias **n. g.** *Anthocoridæ* for *O. contubernalis* **n. sp.**, Himalaya, DISTANT, p. 219, t. c.
Phthirocoris **n. g.** *Henicocephalidæ*, p. 786, for *P. antarcticus* **n. sp.**, Crozet Islands, p. 787, ENDERLEIN, Zool. Anz. xxvii.
Polyctenes intermedius, Egypt, SPEISER, p. 373, pl. xx, Zool. Jahrb. Suppl. vii, **n. sp.**
Sesellius **n. g.** *Anthocoridæ* for *Anthocoris parallelus* Motsch., DISTANT, p. 221, Ann. Nat. Hist. xiv.
Sphigmocephalus **n. g.** for *Henicocephalus curculio* Karsch., ENDERLEIN, p. 783, Zool. Anz. xxvii.

CAPSIDÆ.

[Cf. DISTANT (383, 387, 388, 391), HORVÁTH (717), JAKOVLEFF (754), KIRKALDY (809), REUTER (1162–1169), UHLER (1416).]

Metriorrhynchomiris **n. n.** for *Metriorrhynchus*, *Zanchisme* **n. n.** for *Schizonotus*, *Kalania* **n. n.** for *Baracus*, *Bertsa* **n. n.** for *Berta*, *Reuterista* **n. n.** for *Brachybasis*, *Ragnar* **n. n.** for *Melanocoris*, *Poronotellus* **n. n.** for *Poronotus*, KIRKALDY, p. 280, Entomologist 1904.
DISTANT gives synonymy and summary of Walker's *Capsidæ*; for details refer to the memoir, Ann. Nat. Hist. xiii, pp. 204–206 etc.

Actinonotus pulcher varr., REUTER, p. 3, Ofv. Finska Forh. xlvi, No. 14.
Adelphocoris funebris, Corea, REUTER, p. 34, Rev. Russe Ent. iv; *A. funestus*, Mou-Pin, p. 7, *fasciaticollis*, p. 8, *melanocephalus*, p. 9, Pekin, REUTER, Ofv. Finska Forh. xlv, No. 16 : **n. spp.**
Agraptocoris **n. g.** p. 6, *concolor* **n. sp.**, p. 7, Mongolia, REUTER, op. cit. xlvi, No. 4.
Æolocoris **n. g.** near *Acrorrhinius*, *Æ. alboconspersus* **n. sp.**, Obock, pl. i, fig. 5, p. 17, REUTER, op. cit. xlv, No. 6.

Allæonycha **n. g.** near *Acrotelus*, p. 8, *mayri* **n. sp.**, Wiesbaden, p. 9, REUTER, op. cit. xlvi, No. 14.
Allæotomus chinensis, Pekin, REUTER, p. 20, op. cit. xlv, No. 16, **n. sp.**
Anapus flavicornis, Borjom, REUTER, p. 5, op. cit. xlvi, No. 14; *A. pectoralis*, Turkestan, HORVÁTH, p. 584, Ann. Mus. Hungar. ii: **n. spp.**
Angerianus **n. g.** *Cylaparia*, p. 437, *A. fractus*, *maurus* **n. spp.**, Tenasserim, p. 438, DISTANT, Faun. Brit. India Rhynchota ii.
Annona smithi (=*labeculata* Uhl. nec Dist.), Grenada, *antilleana* (=*Mula decoloris* Uhl.), St. Vincent, DISTANT, p. 62, Ann. Nat. Hist. xiv, **n. spp.**
Araspus **n. g.** *Bryocoraria* for *Lopus partilus* Walk., DISTANT, p. 112, op. cit. xiii.
Arculanus **n. g.** near *Disphinctus*, for *A. marshalli* **n. sp.**, Mashonaland, DISTANT, p. 198, t. c.
Argenis **n. g.** *Cylaparia*, for *Capsus incisuratus* Walk., DISTANT, p. 107, t. c.
A. alboviridescens, Ceylon, DISTANT, p. 435, Faun. Brit. India Rhynchota ii, **n. sp.**
Armachanus **n. g.** *Cyllocoraria*, p. 478, *A. monoceros* **n. sp.**, Ceylon, p. 479, DISTANT, t. c.; *A. spicatus*, N. W. Australia, DISTANT, p. 203, Ann. Nat. Hist. xiii, **n. sp.**
Atomophora oculata, p. 10, *maculosa*, p. 12, *suturalis*, p. 13, *albovittata*, p. 14, Transcaspian, REUTER, Ofv. Finska Forh. xlvi, No. 4, **n. spp.**
Atractotomus brevicornis ♂, REUTER, p. 17, t. c. No. 14.
Bothriomiris testaceus, Burma, DISTANT, p. 470, Faun. Brit. India Rhynchota ii, **n. sp.** Bilia A see under Bilia
Callicratides **n. g.** for *Capsus rama* Kirby, DISTANT, p. 417, t. c.
Calocoris hispanicus var. n. *bisignata*, *C. sexguttatus* var. n. *reducta*, REUTER, p. 2, Ofv. Finska Forh. xlvi, No. 14.
C. dohertyi, Tenasserim, DISTANT, p. 452, Faun. Brit. India Rhynchota ii, **n. sp.**
Camponotidea saundersi var., REUTER, p. 4, Ofv. Finska Forh. xlvi, No. 14.
Camptobrochis tibialis, Erythrea, REUTER, p. 12, op. cit. xlv, No. 6; *C. oculatus*, Congo, REUTER, p. 3, op. cit. xlvi, No. 10; *C. esau*, p. 201, *capensis*, p. 202, S. Africa, DISTANT, Ann. Nat. Hist. xiii; *C. orientalis*, p. 460, *lutulentus*, *uniformis*, *similis*, p. 461, Brit. India, DISTANT, Faun. Brit. India Rhynchota ii; *C. signatus*, N. Queensland, DISTANT, p. 274, Ann. Nat. Hist. xiii; *C. brevis*, New Mexico, UHLER, p. 359, P. U. S. Mus. xxvii: **n. spp.**
Campylognathus fulvus, Crete, REUTER, p. 18, Ofv. Finska Forh. p. 18, **n. sp.**
Campylotropis **n. g.** near *Cyllocoris*, p. 35, for *C. jakolevi* **n. sp.**, Corea, p. 36, REUTER, Rev. Russe Ent. iv.
Capellanus **n. g.** *Phytocoraria* Walk., for *Lygus sparsus* Dist., DISTANT, p. 109, Ann. Nat. Hist. xiii.
Capsus croesus, *remus*, p. 468, *darsius*, Burma, *pegasus*, Ceylon, p. 469, DISTANT, Faun. Brit. India Rhynchota ii, **n. spp.**
Chamus **n. g.** *Cylaparia* for *C. wealei*, Cape Colony, **n. sp.**, DISTANT, p. 197, Ann. Nat. Hist. xiii.
Charagochilus nigricornis, Congo, REUTER, p. 2, Ofv. Finska Forh. xlvi, No. 10; *C. duplicatus*, Pekin, REUTER, p. 16, op. cit. xlv, No. 16: **n. spp.**
Charitocoris **n. g.** near *Calocoris*, p. 10, *C. pallidus* **n. sp.**, Persia, p. 11, REUTER, Annuaire Mus. St. Petersb. ix.
Chlorosomella **n. g.** near *Actorrhinus*, p. 6, *geniculata* **n. sp.**, Congo, p. 7, REUTER, Ofv. Finska Forh. xlvi, No. 10.
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Clivinema rubida, New Mexico, UHLER, p. 355, P. U. S. Mus. xxvii, **n. sp.**
Combalus **n. g.** *Miraria*, *C. novitius* **n. sp.**, Assam, DISTANT, p. 431, Faun. Brit. India Rhynchota ii.

Cyphodema ? junodi, Transvaal, DISTANT, p. 201, Ann. Nat. Hist. xiii, **n. sp.**
Cyphodemidea **n. g.** near *Cyphodema*, p. 17, *C. variegata* **n. sp.**, Mou-Pin, pl. ii, fig. 5, p. 19, REUTER, Ofv. Finska Forh. xlv, No. 16.
Cytorrhinus chinensis Stål, REUTER, p. 22, t. c.
Dagbertus **n. g.** near *Episcopus* for *Capsus darwini* etc., DISTANT, p. 203, Ann. Nat. Hist. xiii.
Deræocorsis rutilus var. n. *fasciata*, *D. scutellaris* var. n. *ventralis*, REUTER, p. 5, Ofv. Finska Forh. xlvi, No. 14.
D. variabilis, *rufus*, *ornandus*, India, DISTANT, p. 467, Faun. Brit. India Rhynchota ii, **n. spp.**
Dichrooscytus consobrinus, Turkestan, HORVÁTH, p. 583, Ann. Mus. Hungar. ii; *D. elegans*, New Mexico, UHLER, p. 356, P. U. S. Mus. xxvii: **n. spp.**
Diognetus **n. g.** *Miraria*, p. 431, *D. intonsus* **n. sp.**, Ceylon, p. 432, DISTANT, Faun. Brit. India Rhynchota ii.
Disphinctus elegans, Tenasserim, DISTANT, p. 445, t. c. **n. sp.**
Estuidus **n. g.** near *Malalasta*, p. 272, for *E. foveatus*, *marginatus* **n. spp.**, N. Queensland, p. 273, DISTANT, Ann. Nat. Hist. xiii.
Eucerocoris suspectus, N. Queensland, DISTANT, p. 271, t. c. **n. sp.**
Eucyrtus parvulus, Djibouti, REUTER, p. 5, pl. i, fig. 2, Ofv. Finska Forh. xlv, No. 6, **n. sp.**
Felisacus **n. n.** for *Liocoris* Motsch. p. 438, *F. magnificus* **n. sp.**, Tenasserim, p. 439, DISTANT, Faun. Brit. India Rhynchota ii.
Fingulus **n. g.** near *Physetonotus*, for *F. atrocœruleus* **n. sp.**, N. Queensland, DISTANT, Ann. Nat. Hist. xiii, p. 275.
Fulgentius **n. g.** *Herdonaria*, p. 103, for *F. mandarinus* **n. sp.**, China, p. 104, DISTANT, t. c.
Gallobelicus **n. g.** *Cyllocoraria*, p. 477, *G. crassicornis* **n. sp.**, India, p. 478, DISTANT, Faun. Brit. India Rhynchota ii.
Gismunda **n. g.** near *Liocoris*, *G. chelonia* **n. sp.**, Sikhim, DISTANT, p. 463, t. c.
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Globiceps parvulus, Spain, REUTER, p. 51, Ent. Mag. xl, **n. sp.**
Glossopeltis **n. g.** near *Pilophorus*, p. 13, *G. coutierei*, Obock, **n. sp.**, pl. i, fig. 3, p. 14, REUTER, Ofv. Finska Forh. xlv, No. 6.
Guisardus **n. g.** *Cylaparia*, *G. pellucidus* **n. sp.**, Tenasserim, DISTANT, p. 436, Faun. Brit. India Rhynchota ii.
Halticus intermedius, New Mexico, UHLER, p. 360, P. U. S. Mus. xxvii; *H. chrysolepis*, Honolulu, KIRKALDY, p. 179, Entomologist 1904: **n. spp.**
Harpedona **n. g.** *Herdoniaria*, p. 418, *H. marginata* **n. sp.**, Ceylon, p. 419, DISTANT, Faun. Brit. India Rhynchota ii.
Helopeltis oryx, Ceylon, DISTANT, p. 441, t. c. **n. sp.**
Hermotinus **n. g.** near *Camptobrochis*, *H. signatus* **n. sp.**, Tenasserim, DISTANT, p. 462, t. c.
/B *Hilia* **n. g.** near *Halticus*, *H. fracta* **n. sp.**, Ceylon, DISTANT, p. 480, t. c.
Horcias lacteiclavus, *albiventris*, *signatus*, S. America, DISTANT, p. 200, Ann. Nat. Hist. xiii, **n. spp.**
Hyalopeplus spinosus, Assam, DISTANT, p. 447, Faun. Brit. India Rhynchota ii, **n. sp.**
Isometopus feanus, Burma, DISTANT, p. 484, t. c. **n. sp.**
Læmocoris zarudnyi, Persia, REUTER, p. 11, Annuaire Mus. St. Petersb. ix, **n. sp.**
Liocoridia **n. g.** near *Lygus*, p. 13, *mutabilis* **n. sp.**, Mou-Pin, pl. ii, fig. 4, p. 14, REUTER, Ofv. Finska Forh. xlv, No. 16.
Liocoris myittæ, *formosus*, Tenasserim, DISTANT, p. 464, Faun. Brit. India Rhynchota ii, **n. spp.**

Lopus bimaculatus Jak., description, REUTER, p. 1, Ofv. Finska Forh. xlvi, No. 14; *L. australis* Walk., referred to *Pantilius* and described, DISTANT, p. 106, Ann. Nat. Hist. xiii.

Lucitanus **n. g.** for *Leptomerocoris punctatus* Kirby, DISTANT, p. 465, Faun. Brit. India Rhynchota ii.

Lygus australis n. n. for *innotatus* Walk., p. 110, *æthiops* n. n. for *limbatus* Walk., p. 111, DISTANT, Ann. Nat. Hist. xiii.

L. abessinicus, Kupi, p. 7, *vittatus*, Djibouti, p. 8, *perversus*, Scioa, p. 10, *simonyi*, Aden, p. 11, REUTER, Ofv. Finska Forh. xlv, No. 6; *L. schonlandi*, Cape Colony, DISTANT, p. 199, Ann. Nat. Hist. xiii; *L. albescens*, *decoloratus*, p. 455, *pubens*, *immitis*, p. 456, *catullus*, p. 457, India and Ceylon, DISTANT, Faun. Brit. India Rhynchota ii; *L. flavoscutellatus*, N. Queensland, DISTANT, p. 273, Ann. Nat. Hist. xiii : **n. spp.**

Malalasta **n. g.** *Capsinæ*, *M. superba* **n. sp.**, Tenasserim, DISTANT, p. 446, Faun. Brit. India Rhynchota ii.

Malthacosoma adspersum, Transcaspian, REUTER, p. 11, Ofv. Finska Forh. xlvi, No. 14, **n. sp.**

Matenesius **n. g.** *Miraria*, p. 425, *M. marginatus* **n. sp.**, Ceylon, p. 426, DISTANT, Faun. Brit. India Rhynchota ii.

Maurodactylus albidus var. n. *pallidicornis*, HORVÁTH, p. 585, Ann. Mus. Hungar. ii.

Megacœlum elongatum to *Pantiliodes*, REUTER, p. 3, Ofv. Finska Forh. xlv, No. 6.

M. persimile, Abyssinia, REUTER, p. 4, t. c.; *M. transvaalensis*, Pretoria, DISTANT, p. 196, Ann. Nat. Hist. xiii; *M. relatum*, p. 428, *rubricatum*, Ceylon, *hampsoni*, Nilgiri Hills, p. 429, *picturatum*, Burma, p. 430, DISTANT, Faun. Brit. India Rhynchota ii; *M. modestum*, *townsvillensis*, *suffusum*, N. Queensland, DISTANT, Ann. Nat. Hist. xiii : **n. spp.**

Megalocerœa cœlestialium to *Trigonotylus*, REUTER, p. 1, Ofv. Finska Forh. xlv, No. 16.

M. graminea, *antennata*, p. 424, *elongata*, *dohertyi*, p. 425, India and Ceylon, DISTANT, Faun. Brit. India Rhynchota ii; *M. doddi*, N. Queensland, DISTANT, p. 269, Ann. Nat. Hist. xiii : **n. spp.**

Megalocoleus albidus, Transcaspian, REUTER, p. 9, Ofv. Finska Forh. xlvi, No. 4, **n. sp.**

Mertila **n. g.** *Bryocoraria* for *M. malayensis*, Singapore, *ternatensis*, Ternate, **n. spp.**, DISTANT, p. 113, Ann. Nat. Hist. xiii.

Mevius **n. g.** *M. lewisi* **n. sp.**, Ceylon, DISTANT, p. 453, Faun. Brit. India Rhynchota ii.

Miris, the name applied to *Leptopterna* Fieb., REUTER, p. 2, Ofv. Finska Forh. xlvi, No. 15.

M. ruficeps, Cape Colony, DISTANT, p. 105, Ann. Nat. Hist. xiii; *M. atkinsoni*, Nilgiri Hills, DISTANT, p. 423, Faun. Brit. India Rhynchota ii : **n. spp.**

Mycterocoris **n. g.** for *Deræocoris cerachates*, UHLER, p. 358, P. U. S. Mus. xxvii.

Myrmecophyes korschinskii, p. 4, *æneus*, p. 5, Turkestan, REUTER, Ofv. Finska Forh. xlvi, No. 4, **n. spp.**

Mystilus **n. g.** *Herdoniaria*, *M. priamus* **n. sp.**, Tenasserim, DISTANT, p. 420, Faun. Brit. India Rhynchota ii.

Nanniella **n. g.** *Laboparia*, *N. chalybea* **n. sp.**, Congo, p. 6, REUTER, Ofv. Finska Forh. xlvi, No. 10.

Nichomachus **n. g.** *Herdonaria* for *N. sloggetti* **n. sp.**, Cape Colony, DISTANT, p. 104, Ann. Nat. Hist. xiii.

Nicostratus **n. g.** *Cyllocoraria*, *N. balteatus* **n. sp.**, Ceylon, DISTANT, p. 475, Faun. Brit. India Rhynchota ii.

Nyctidea **n. g.** near *Criocoris*, p. 15, *moesta*, E. Siberia, **n. sp.**, p. 17, REUTER, Ofv. Finska Forh. xlvi, No. 4.

Nymannus **n. g.** *Miraria* for *N. typicus* **n. sp.**, Cape Colony, DISTANT, p. 195, Ann. Nat. Hist. xiii.

Oncotylus cunealis, Persia, REUTER, p. 14, Annuaire Mus. St. Petersb. ix; *O. fuscicornis*, Mongolia, REUTER, p. 10, Ofv. Finska Forh. xlvi, No. 14: **n. spp.**

Onomaus **n. g.** *Herdoniaria*, *O. pompeus* **n. sp.**, Assam, DISTANT, p. 416, Faun. Brit. India Rhynchota ii.

Orthotylus antennalis, Orotava, p. 6, *pallidulus*, Austria, p. 7, REUTER, Ofv. Finska Forh. xlvi, No. 14, **n. spp.**

Pantilius gonoceroides, Mou-Pin, REUTER, p. 4, op. cit. xlv, No. 16, **n. sp.**

Paracalocoris capensis, Cape Good Hope, DISTANT, p. 110, Ann. Nat. Hist. xiii; *P. barretti*, Cape Colony, DISTANT, p. 199, t. c.; *P. burmanicus*, *erebus*, Burma, *lanarius*, Ceylon, DISTANT, p. 450, Faun. Brit. India Rhynchota ii: **n. spp.**

Paracarnus grenadensis (=*mexicanus* Uhler), Grenada, DISTANT, p. 62, Ann. Nat. Hist. xiv, **n. sp.**

Parapantilius **n. g.** p. 5, *P. thibetanus* **n. sp.**, pl. ii, fig. 2, p. 6, Mou-Pin, REUTER, Ofv. Finska Forh. xlv, No. 16.

Pharyllus **n. g.** for *Leptomerocoris pistacinus* Motsch., DISTANT, p. 434, Faun. Brit. India Rhynchota ii.

Phytocoris zarudnyi, p. 8, *lineaticollis*, p. 9, Persia, REUTER, Annuaire Mus. St. Petersb. ix; *P. longicornis*, p. 1, *mœstus*, p. 2, Centr. Asia, REUTER, Ofv. Finska Forh. xlvi; *P. crinitus*, Ceylon, DISTANT, p. 449, Faun. Brit. India Rhynchota ii: **n. spp.**

Plaqiognathus cinerascens, Mongolia, REUTER, p. 17, Ofv. Finska Forh. xlvi, No. 14, **n. sp.**

Pleuroxonotus **n. g.** p. 7, *nasutus* **n. sp.**, Transcaspian, p. 8, REUTER, t. c., No. 4.

Pœciloscytus cuneatus Dist. (as *Lygus*)=(*obscurus* Uhler), DISTANT, p. 62, Ann. Nat. Hist. xiv.

P. consanguineus, *pygmæus*, *capitatus*, Burma and Ceylon, DISTANT, p. 459, Faun. Brit. India Rhynchota ii; *P. antennatus*, *flavipes*, N. Queensland, DISTANT, p. 274, Ann. Nat. Hist. xiii: **n. spp.**

Polymerus varicornis, Corea, JAKOVLEV, p. 94, Rev. Russe Ent. iv, **n. sp.**

Prodromus **n. g.** *Cylaparia*, p. 436, *P. subflavus*, Ceylon, *clypeatus*, *subviridis*, Tenasserim, p. 437, DISTANT, Faun. Brit. India Rhynchota ii.

Psallopsis, amended description, REUTER, p. 15, Annuaire Mus. St. Petersb. ix.

P. basalis, Persia, id. p. 16, t. c. **n. sp.**

Psallus proteus varr., REUTER, pp. 12, 13, Ofv. Finska Forh. xlvi, No. 14.

P. instabilis, p. 13, *beckeri*, p. 14, *longiceps*, p. 15, Canaries, REUTER, t. c.; *P. singalensis*, Ceylon, DISTANT, p. 482, Faun. Brit. India Rhynchota ii: **n. spp.**

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Sabellicus **n. g.** near *Deræocoris* for *Capsus apicifer*, and *Lopus sordidus* Walk., DISTANT, p. 114, Ann. Nat. Hist. xiii.

Scirtetellus seminitens, Turkestan, HORVÁTH, p. 584, Ann. Mus. Hungar. ii, **n. sp.**

Sophianus **n. g.** *Isometopinæ*, p. 485, *S. alces* **n. sp.**, Ceylon, p. 486, DISTANT, Faun. Brit. India Rhynchota ii.

Stenodema, synopsis of Palæarctic, REUTER, Ofv. Finska Forh. xlvi, No. 15, pp. 3–6.

S. trispinosum, Siberia, p. 8, *turanicum*, Transcaspian, p. 11, *alpestre*, p. 13, *elegans*. p. 14, *plebeium*, p. 17, *chinense*, p. 19, Setschuan, REUTER, t. c. **n. spp.**

Tancredus **n. g.** *Miraria*, *T. sandaracatus* **n. sp.**, Ceylon, DISTANT, p. 430, Faun. Brit. India Rhynchota ii.
Tenthecoris bicolor, characters, DISTANT, p. 202, Ann. Nat. Hist. xiii.
Trachelonotus **n. g.** near *Læmocoris*, p. 12, *T. unifasciatus* **n. sp.**, Persia, p. 13, REUTER, Annuaire Mus. St. Petersb. ix.
Trichobasis **n. g.** near *Pantiliodes*, p. 1, *setosa* **n. sp.**, Congo, p. 2, REUTER, Ofv. Finska Forh. xlvi, No. 10.
Trigonotylus brevipes, characters, REUTER, p. 5, Annuaire Mus. St. Petersb. ix.
Turnebus **n. g.** near *Isometopus*, *T. cuneatus* **n. sp.**, Ceylon, DISTANT, p. 485, Faun. Brit. India Rhynchota ii.
Tylopeltis **n. g.** near *Glossopeltis*, p. 4, *albosignata* **n. sp.**, Congo, p. 5, REUTER, Ofv. Finska Forh. xlvi, No. 10.
Tyraquellus **n. g.** for *Leptomerocoris albofasciatus* Motsch. and *T. maculatus* **n. sp.**, Ceylon, DISTANT, p. 471, Faun. Brit. India Rhynchota ii.
Volkelius **n. g.** near *Sahlbergella* for *V. sulcatus* **n. sp.**, N. Queensland, DISTANT, p. 271, Ann. Nat. Hist. xiii.
Zanchius **n. g.** *Cyllocoraria*, *Z. annulatus* **n. sp.**, Ceylon, DISTANT, p. 477, Faun. Brit. India Rhynchota ii.
Zanessa sanguinolenta, Nilgiri Hills, DISTANT, p. 432, t. c. **n. sp.**

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Leotichius **n. g.** *Leptopinæ*, p. 406, *L. glaucopis* **n. sp.**, Burma, p. 407, DISTANT, Faun. Brit. India Rhynchota ii.
Salda jakowleffi var. n. *mœrens*, HORVÁTH, p. 585, Ann. Mus. Hungar. ii.
S. dixoni, India, DISTANT, p. 405, Faun. Brit. India Rhynchota ii, **n. sp.**
Valleriola **n. g.** p. 405, *V. greeni* **n. sp.**, Ceylon, p. 406, DISTANT, t. c.

HYDROCORISÆ.

[Cf. DISTANT (386, 391), HORVÁTH (717, 718), KIRKALDY (813).]

Anatomy of *Ranatra*, breathing organs etc., MARSHALL & SEVERIN, Tr. Wisconsin Ac. xiv, pp. 487–501, pls. xxxiv–xxxvi.
Annotated catalogue of *Notonectidæ*, KIRKALDY, pp. 93–135, Wien. ent. Zeit. xxiii.

Anisops doris, p. 112, *stali*, p. 113, *endymion*, p. 114, Australia, *bouvieri*, Cochin China, p. 116, KIRKALDY, t. c. **n. spp.**
Buenoa **n. g.** type *Anisops antigone* Kirk., p. 120, *B. ida*, Uruguay, p. 121, *salutis*, Brit. Guiana, p. 122, **n. spp.**, KIRKALDY, t. c.
Cercotmetus fumosus, Ceylon, DISTANT, p. 278, Entomologist 1904, **n. sp.**
Corixa acromelæna, Turkestan, HORVÁTH, p. 585, Ann. Mus. Hungar. ii, **n. sp.**
Helotrephes bouvieri, Celebes, p. 129, *martini*, Sumatra, p. 130, KIRKALDY, Wien. ent. Zeit. xxiii, **n. spp.**
Laccotrephes flavovenosa Dohrn (as *Nepa*) = (*japonensis* Scott), DISTANT, p. 63, Ann. Nat. Hist. xiv.
L. calcar, Nigeria, *nyasæ*, Nyika Mts., DISTANT, p. 64, t. c. **n. spp.**
Macrocoris transvaalensis, Lydenburg, DISTANT, p. 258, Entomologist 1904, **n. sp.**
Micronecta haliploides, Colombo, p. 594, *carbonaria*, New Guinea, p. 595, HORVÁTH, Ann. Mus. Hungar. ii, **n. spp.**
Mononyx luteovarius, Queensland, DISTANT, p. 63, Ann. Nat. Hist. xiv, **n. sp.**
Nepa cinerea, salivary glands, BORDAS, C.R. Soc. Biol. lvii, pp. 667–669.
Plea japonica, Akashi, HORVÁTH, p. 594, Ann. Mus. Hungar. ii; *P. buenoi*, Pondicherry, KIRKALDY, p. 128, Wien. ent. Zeit. xxiii : **n. spp.**

Ranatra sordidula=(*unicolor* Scott), DISTANT, p. 66, Ann. Nat. Hist. xiv.
R. fuscoannulata, Ruwenzori, p. 64, *cinnamomea*, *varicolor*, *natalensis*, p. 65, S. Africa, DISTANT, t. c. **n. spp.**
Thurselinus **n. g.** near *Macrocoris*, *T. greeni* **n. sp.**, Ceylon, DISTANT, p. 259, Entomologist 1904.

HOMOPTERA.

Catalogue of *Homoptera* (except *Aphid. Coccid.*) of Germany, HUEBER, Jahresh. Ver. Wurttemb. lx, pp. 253–277.

CICADIDÆ.

[Cf. DISTANT (384, 393), GODING & FROGGATT (613), JACOBI (733, 736), MATSUMURA (922), MELICHAR (937), NOUALHIER (984), RAINBOW (1118).]
DISTANT (393) commences a revision of *Cicadidæ*, preliminary to a synonymic catalogue.
The Palæarctic *Cicadidæ* (in Moravian), MELICHAR, Vestnik. Klub. Prostejove iv, pp. 12–26.
Monograph of Australian *Cicadidæ*, 119 species, GODING & FROGGATT, P. Linn. Soc N. S. Wales xxix, pp. 561–669, 2 pls.
Copula between *Cyclochila* and *Thopha*, RAINBOW, Rec. Austral. Mus. v, p. 116.

Angamiana floridula, Tonkin, DISTANT, p. 299, Ann. Nat. Hist. xiv, **n. sp.**
Antankaria **n. g.** type *C. madagascariensis* Dist., DISTANT, p. 429, t. c.
Arunta **n. g.** type *C. perulata* Guér., DISTANT, p. 302, t. c.
Cacama **n. g.** type *Proarna maura* Dist., DISTANT, p. 429, t. c.
Cicada vesta, Bombay, pl. xxx, fig. 4, *nigrans*, Madagascar, fig. 1, DISTANT, p. 673, Tr. ent. Soc. London 1904; *C. pyropa*, Japan, MATSUMURA, p. 53, pl. iii, fig. 4, Annot. zool. Japon. v; *C. andrewsi*, Japan, *umbrosa*, Borneo, p. 330, *boliviana*, Chimali [cf. *Oria* below], p. 331, DISTANT, Ann. Nat. Hist. xiv; *C. graminea*, Queensland, DISTANT, p. 428, t. c.; *C. hieroglyphica*, p. 581, *sylvanella*, p. 582, Australia, GODING & FROGGATT, P. Linn. Soc. N. S. Wales xxix : **n. spp.**
Cicadetta montana, in Germany, pp. 283–285, Jahresh. Ver. Wurttemb. lx.
Cosmopsaltria khadiga, Pahang, DISTANT, p. 671, pl. xxx, fig. 9, Tr. ent. Soc. London 1904, **n. sp.**
Cryptotympana holsti, Formosa, DISTANT, p. 331, Ann. Nat. Hist. xiv; *C. varicolor*, Sumbawa, DISTANT, p. 430, t. c. : **n. spp.**
Cystopsaltria **n. g.** *C. immaculata* **n. sp.**, Queensland, GODING & FROGGATT, p. 661, P. Linn. Soc. N. S. Wales xxix.
Dundubia spiculata, Cambodia; NOUALHIER, p. 178, pl. xi, figg. 3, 4, Mission Pavie iii, **n. sp.**
Fidicina vitellina, p. 155, *parvula*, p. 157, Brazil, JACOBI, SB. Ges. naturf. Berlin 1904, **n. spp.**
Gœana paviei, Tonkin, NOUALHIER, p. 179, pl. xi, fig. 5, Mission Pavie iii, **n. sp.**
Glaucopsaltria **n. g.** p. 657, *G. viridis* **n. sp.**, Queensland, p. 658, GODING & FROGGATT, P. Linn. Soc. N. S. Wales xxix.
Hamza **n. g.** for *Platypleura bouruensis*, DISTANT, p. 674, pl. xxx, fig. 5, Tr. ent. Soc. London 1904.
Henicopsaltria pygmæa, S.W. Australia, DISTANT, p. 303, Ann. Nat. Hist. xiv, **n. sp.**
Ioba **n. g.** type *P. leopardina* Dist., DISTANT, p. 295, t. c.
Kanakia congrua, Queensland, GODING & FROGGATT, P. Linn. Soc. N. S. Wales xxix, **n. sp.**

Koma **n. g.** type *P. bombifrons* Karsch, DISTANT, p. 296, Ann. Nat. Hist. xiv.

Kongota **n. g.** type *P. punctigera* Walk., DISTANT, p. 298, t. c.

Lacetas annulicornis Karsch, pl. xliv, fig. 4, p. 769, JACOBI, Zool. Jahrb. Syst. xix.

Macrotristria nigrovenosa, N. Queensland, DISTANT, p. 329, Ann. Nat. Hist. xiv; *M. nigrosignata*, W. Australia, pl. xxix, fig. 7, p. 673, DISTANT, Tr. ent. Soc. London 1904 : **n. spp.**

Melampsalta spinosa, p. 635, *kershawi*, p. 636, *castanea*, p. 637, *rubristrigata*, *atrata*, p. 638, *fletcheri*, p. 640, *infuscata*, *flava*, p. 641, *binotata*, p. 643, *rubricincta*, p. 644, *nebulosa*, *spreta*, p. 647, *fulva*, p. 648, *rubea*, p. 651, *graminis*, p. 652, *tristrigata*, p. 653, Australia, GODING & FROGGATT, P. Linn. Soc. N. S. Wales xxix, **n. spp.**

Muansa **n. g.** type *P. clypealis* Karsch, DISTANT, p. 295, Ann. Nat. Hist. xiv.

Munza **n. g.** type *P. laticlavia* Stål, DISTANT, p. 297, t. c.

Oria **n. g.** type *Cicada boliviana* Dist., DISTANT, p. 429, t. c.

Parnisa hæmorrhagica, Brazil, JACOBI, p. 159, SB. Ges. naturf. Berlin 1904, **n. sp.**

Pauropsalta **n. g.** p. 615, *P. leurensis*, p. 616, pl. xviii, fig. 8, *castanea*, p. 617, *prolongata*, *extensa*, p. 618, *nigristriga*, p. 619, *annulata*, p. 620, *nodicosta*, *dubia*, p. 621, *rubra*, p. 623, *basalis*, p. 625, *emma*, p. 626, *borealis*, p. 627, *minima*, p. 628, Australia, GODING & FROGGATT, P. Linn. Soc. N. S. Wales xxix, **n. spp.**

Platypleura antinorii, p. 765, cut, JACOBI, Zool. Jahrb. Syst. xix.

P. laticollis, E. Africa, MELICHAR, p. 25, Verh. Ges. Wien liv ; *P. longula*, Delagoa Bay, p. 332, *mira*, Laos, p. 333, *melania*, *bettoni*, Africa, p. 334, DISTANT, Ann. Nat. Hist. xiv; *P. veligera*, pl. xliv, fig. 1, p. 766, *vitticollis*, fig. 2, p. 767, N.E. Africa, JACOBI, Zool. Jahrb. Syst. xix; *P. mackinnoni*, Mussooree, p. 667, pl. xxix, fig. 1, *makaga*, fig. 4, *adouma*, fig. 2, Congo, p. 668, DISTANT, Tr. ent. Soc. London 1904; *P. arminops*, Siam, NOUALHIER, p. 178, pl. xi, figg. 1, 2, Mission Pavie iii; *P. tepperi*, Australia, GODING & FROGGATT, p. 568, pl. xviii, fig. 5, P. Linn. Soc. N. S. Wales xxx : **n spp.**

Pomponia surya, pl. xxx, fig. 2, p. 671, *melanoptera*, fig. 3, p. 672, Mussooree, DISTANT, Tr. ent. Soc. London 1904, **n. spp.**

Psaltoda plebeia, N. S. Wales, GODING & FROGGATT, p. 589, P. Linn. Soc. N. S. Wales xxix, **n. sp.**

Pycna numa, Mashonaland, pl. xxix, fig. 3, *hecuba*, E. Africa, fig. 6, DISTANT, p. 670, Tr. ent. Soc. London 1904; *P. cœlestia*, W. China, DISTANT, Ann. Nat. Hist. xiv : **n. spp.**

Rihana **n. g.** type *Fidicina ochracea* Walk., *R. virgulata*, Mexico, p. 426, *swalei*, hab. ? p. 427, **n. spp.**, DISTANT, t. c.

Sadaka **n. g.** type *P. virescens* Karsch, DISTANT, p. 296, t. c.

Terpnosia ganesa, India, p. 675, pl. xxx, fig. 6, *abdullah*, Pahang, p. 676, fig. 7, DISTANT, Tr. ent. Soc. 1904, **n. spp.**

Tettigia variegata, Townsville, GODING & FROGGATT, p. 594, pl. xviii, fig. 9, P. Linn. Soc. N. S. Wales xxix, **n. sp.**

Tibicen sankara, India, DISTANT, p. 675, pl. xxx, fig. 8, Tr. ent. Soc. London 1904; *T. ruber*, p. 600, *doddi*, p. 602, *rubricinctus*, p. 603, *borealis*, p. 604, *kurandæ*, p. 605, *hirsutus*, p. 607, *occidentalis*, p. 608, *flavus*, p. 610, Australia, GODING & FROGGATT, P. Linn. Soc. N. S. Wales xxix : **n. spp.**

Tosena seebohmi, Formosa, DISTANT, Ann. Nat. Hist. xiv, **n. sp.**

Trismarcha exsul, N. E. Africa, JACOBI, p. 768, pl. xliv, fig. 3, Zool. Jahrb. Syst. xix, **n. sp.**

Ugada **n. g.** type *Tettig. limbata* Fabr., DISTANT, p. 299, Ann. Nat. Hist. xiv.

U. **n. g.** for *Platypleura præcellens*, DISTANT, the insect figured, pl. xxix, fig. 9, p. 669, id. Tr. ent. Soc. London 1904.
U. nutti, Tanganyika, DISTANT, p. 336, Ann. Nat. Hist. xiv, **n. sp.**
Umjaba **n. g.** type *P. evanescens* Butl., DISTANT, p. 298, t. c.
Venustria **n. g.** *Tibeceninæ*, p. 595, *V. superba* **n. sp.**, Queensland, p. 597, pl. xix, fig. 7, GODING & FROGGATT, P. Linn. Soc. N. S. Wales xxix.
Xosopsaltria **n. n.** for *Pydna*, KIRKALDY, p. 280, Entomologist 1904.
Yanga **n. g.** type *P. hova* Dist., DISTANT, p. 297, Ann. Nat. Hist. xiv.

FULGORIDÆ.

[Cf. FOWLER (614), HORVÁTH (716, 717), JACOBI (734, 736), KIRKALDY (809), MELICHAR (937, 938), NOUALHIER (984).]

Catalogue of *Fulgoridæ* of N. America, SWEZEY (1360).
Kareol **n. n.** for *Anagnia*, *Colgorma* **n. n.** for *Temora*, *Proutista* **n. n.** for *Assamia*, *Xosophara* **n. n.** for *Rhinortha*, *Southia* **n. n.** for *Paulia*, *Florichisme* **n. n.** for *Pœcilostola*, *Micromasoria* **n. n.** for *Cona*, *Bergias* **n. n.** for *Bergia*, *Hesperophantia* **n. n.** for *Carthæa*, *Thanatophantia* **n. n.** for *Alisca*, *Gelastophantia* **n. n.** for *Cyarda*, *Xosias* **n. n.** for *Eteocles*, *Amfortas* **n. n.** for *Gastrinia*, *Gelastyra* **n. n.** for *Cibyra*, *Thanatophara* **n. n.** for *Colonia*, KIRKALDY, pp. 279, 280, Entomologist 1904.

Acmonia gerstæckeri, Brazil, JACOBI, p. 160, SB. Ges. naturf. Berlin 1904, **n. sp.**
Acrobelus delphinus, Tonkin, NOUALHIER, p. 182, pl. x, fig. 10, Mission Pavie iii, **n. sp.**
Aloha **n. g.** near *Megamelus*, *A. ipomeæ* **n. sp.**, Oahu, KIRKALDY, p. 177, Entomologist 1904.
Amphiscepa calida, pl. xii, fig. 8, p. 118, *A. subpellucida*, fig. 9, p. 119, Central America, FOWLER, Biol. Centr.-Amer. Rhynchot. Homopt. i.
Anotia smithi, pl. ix, fig. 3, *marginicornis*, fig. 4, *pellucida*, p. 77, *ruficollis*, fig. 5, *venustula*, fig. 6, *tenella*, fig. 7, p. 78, *invalida*, fig. 8, p. 79, Central America, FOWLER, t. c. **n. spp.**
Bothriocera tinealis, pl ix, figg. 11, 12, *signoreti*, fig. 13, FOWLER, t. c.
B. venosa, pl. ix, fig. 14, *excelsa*, fig. 15, *pellucida*, fig. 16, p. 83, *albidipennis*, figg. 17, 18, *nigra*, fig. 19, p. 84, Central America, FOWLER, t. c. **n. spp.**
Bothriocerodes **n. g.** p. 84, *B. variegatus*, pl. ix, fig. 20, *castaneus*, fig. 21, *metallicus*, fig. 22, **n. spp.**, Central America, p. 85, FOWLER, t. c.
Caliscelis, table of palæarctic, HORVÁTH, pp. 378–380, Ann. Mus. Hungar. ii.
C. maroccana, Tangier, p. 381, *bolivari*, Madrid, p. 382, *peculiaris*, Asia Minor, p. 384, id. t. c. **n. spp.**
Cedusa **n. g.** near *Plectoderes*, *C. funesta*, pl. xi, fig. 28, *venosa*, fig. 29, **n. spp.**, Mexico, FOWLER, p. 112, Biol. Centr.-Amer. Rhynchot. Homopt. i.
Cixius montanus, pl. x, fig. 25, *comptus*, fig. 26, p. 96, *flavobrunneus*, fig. 27, *apicatus*, fig. 28, p. 97, Central America, FOWLER, t. c. **n. spp.**
Cyclumna **n. g.** *Issidæ*, *C. subrotundata*, pl. xii, fig. 5, **n. sp.**, Mexico, FOWLER, p. 116, t. c.
Cyrene obtusata, Bangkok, NOUALHIER, p. 182, pl. x, fig. 9, Mission Pavie iii, **n. sp.**
Delphax conspicua, Turkestan, HORVÁTH, p. 589, Ann. Mus. Hungar. ii, **n. sp.**
Dendrophora breviceps, E. Africa, MELICHAR, p. 30, Verh. Ges. Wien liv, **n. sp.**
Dictyophara ogadensis, p. 38, *ufudensis*, p. 29, E. Africa, MELICHAR, t. c.;

D. sertata, p. 162, *multireticulata*, p. 163, Brazil, JACOBI, SB. Ges. naturf. Berlin 1904 : **n. spp.**

Eparmene **n. g.** *Cixiides*, *E. pulchella*, pl. xi, fig. 6, **n. sp.**, Panama, FOWLER, p. 101, Biol. Centr.-Amer. Rhynchot. Homopt. i.

Fulgora monetaria, Cambodia, NOUALHIER, p. 180, pl. x, fig. 3, Mission Pavie iii, **n. sp.**

Grynia nigricoxis, pl. xi, fig. 9, p. 193, FOWLER, Biol. Centr.-Amer. Rhynchot. Homopt. i.

Haplaxius **n. g.** near *Cixius*, p. 97, *H. lævis*, pl. x, figg. 29, 30, *frontalis*, fig. 31, p. 98, **n. spp.**, Mexico, FOWLER, t. c.

Helicoptera sobrina, pl. xi, fig. 14, var. *albido-variegata*, fig. 15, p. 106, *chiriquensis*, fig. 16, *longiceps*, fig. 17, p. 107, Centr. America, id. t. c. **n. spp.**

Hemisphærius interclusus, Cambodia, NOUALHIER, p. 181, pl. x, fig. 4, Mission Pavie iii, **n. sp.**

Hyphancylus **n. g.** *Issidæ*, *H. falcatus*, pl. xii, fig. 6, *excelsus*, fig. 7, **n. spp.**, Mexico, FOWLER, p. 117, Biol. Centr.-Amer. Rynchot. Homopt. i.

Hysteropterum sierræ, pl. xii, fig. 10, p. 119, *angulare*, fig. 11, *montanum*, fig. 12, p 120, Mexico, FOWLER, t. c. **n. spp.**

Liburnia campestris, natural history, and parasite, SWEZEY, pp. 43–46, Bull. U. S. Dep. Agric. Ent. xlvi.

Megamelus leahi, Oahu, KIRKALDY, p. 176, Entomologist 1904, **n. sp.**

Metabrixia **n. g.** *M. delicata*, pl. ix, fig. 23, p. 86, *aspersa*, fig. 24, *germana*, fig. 25, p. 87, *tacta*, pl. x, fig. 1, *maculata*, fig. 2, p. 88, **n. spp.**, Central America, FOWLER, Biol. Centr.-Amer. Rhynchot. Homopt. i.

Micrixia **n. g.** *Cixiides*, p. 100, *M. costalis*, pl. xi, fig. 5, **n. sp.**, Mexico, p. 101, FOWLER, t. c.

Microlerida **n. g.** *Cixiides*, *M. asperata*, pl. xi, figg. 1, 2, **n. sp.**, Mexico, FOWLER, p. 99, t. c.

Mnemosyne planiceps, pl. xi, figg. 7, 8, p. 102, FOWLER, t. c.

Œcleus, *seminiger*, pl. x, fig. 3, p. 89, *decens*, figg. 6, 7, p. 90, FOWLER, t. c.

Œ. tenellus, pl. x, fig. 4, *teapæ*, fig. 5, p. 89, *pellucens*, figg. 8, 9, *minimus*, fig. 10, p. 90, *brunneus*, fig. 11, *concinnus*, fig. 12, *addendus*, fig. 13, p. 91, Central America, FOWLER, t. c. **n. spp.**

Oliarus hirtus, *frontalis*, E. Africa, MELICHAR, p. 31, Verh. Ges. Wien liv; *O. cucullatus*, p. 180, pl. xi, figg. 7 & 8, *petasatus*, figg. 9 & 10, p. 181, Cambodia, NOUALHIER, Mission Pavie iii; *O. excelsus*, pl. x, fig. 14, *concinnulus*, fig. 15, p. 92, *propior*, fig. 16, *lacteipennis*, fig. 17, p. 93, *humeralis*, fig. 18, *breviceps*, fig. 19, *chiriquensis*, fig. 20, p. 94, *insignior*, figg. 21, 22, *nigro-alutaceus*, figg. 23, 24, p. 95, Central America, FOWLER, Biol. Centr.-Amer. Rhynchot. Homopt. i : **n. spp.**

Ornithissus **n. g.** *Issidæ*, p. 121, *O. cockerelli*, pl. xii, fig. 14, **n. sp.**, Mexico, p. 122, FOWLER, t. c.

Pachyntheisa **n. g.** *Cixiides*, p. 99, *P. concinna*, pl. xi, fig. 3, *excelsior*, fig. 4, **n. spp.**, Mexico, p. 100, FOWLER, t. c.

Parapioxys viridifasciatus, *hilaris*, E. Africa, MELICHAR, p. 27, Verh. Ges. Wien liv, **n. spp.**

Patara marmorata, Guatemala, pl. ix, fig. 9, p. 79, FOWLER, Biol. Centr.-Amer. Rhynchot. Homopt. i, **n. sp.**

Peregrinus **n. g.** *Asiracinæ*, p. 175, for *Delphax maidis* Ashm., KIRKALDY, Entomologist 1904.

Perkinsiella saccharicida, natural history, PERKINS, Rep. exp. Stat. Hawaii 1904, pp. 43–66.

Phylloscelis atra, macropterous form, OSBORN, p. 93, cuts, Ohio Natural. iv.

Plectoderes championi, pl. xi, fig. 19, p. 108, *basalis*, fig. 20, *excelsus*, fig. 21, *flavovittatus*, fig. 22, p. 109, *notatus*, fig. 23, *montanus*, fig. 24, *asper*, fig. 25, p. 110, *lineatocollis*, fig. 26, *fuscolineatus*, fig. 27, p. 111, Central America, FOWLER, Biol. Centr.-Amer. Rhynchot. Homopt. i, **n. spp.**

Pochazoides asperatus, E. Africa, MELICHAR, p. 33, Verh. Ges. Wien liv, **n. sp.**
Proteinissus **n. g.** *Issidæ*, *P. bilimeki*, pl. xii, fig. 13, **n. sp.**, Mexico, FOWLER, p. 121, Biol. Centr.-Amer. Rhynchot. Homopt. i.
Pseudohelicoptera **n. g.** p. 107, *P. nasuta*, **n. sp.**, Panama, pl. xi, fig. 18, p. 108, FOWLER, t. c.
Putala apicata, E. Africa, MELICHAR, p. 29, Verh. Ges. Wien liv, **n. sp.**
Rhamphixius **n. g.** *Cixiides*, *R. championi*, **n. sp.**, Central America, pl. ix, fig. 10, FOWLER, p. 81, Biol. Centr.-Amer. Rhynchot. Homopt. i.
Rhinophantia fatua, E. Africa, MELICHAR, p. 33, Verh. Ges. Wien liv, **n. sp.**
Ricania erlangeri, E. Africa, MELICHAR, p. 32, t. c.; *R. flabellum*, Cambodia, NOUALHIER, p. 181, pl. xi, fig. 11, Mission Pavie iii : **n. spp.**
Rudia diluta, pl. xi, fig. 10, p. 104, *bicincta*, fig. 12, p. 105, FOWLER, Biol. Centr.-Amer. Rhynchot. Homopt. ii.
R. proxima, pl. xi, fig. 11, p. 104, *verticalis*, fig. 13, p. 105, Central America, FOWLER, t. c. **n. spp.**
Seliza squamula, E. Africa, MELICHAR, p. 34, Verh. Ges. Wien liv, **n. sp.**
Thionia variegata, pl. xii, figg. 15, 16, p. 122, FOWLER, Biol. Centr.-Amer. Rhynchot. Homopt. i.
T. brevior, pl. xii, fig. 17, *scutellata*, fig. 18, p. 123, *sordida*, fig. 19, *humilis*, fig. 20, *naso*, fig. 21, p. 124, Mexico, FOWLER, t. c. **n. spp.**
Ulixes clypeatus, pl. xii, fig. 1, p. 114, FOWLER, t. c.
U. intermedius, Mexico, pl. xii, figg. 3, 4, p. 115, FOWLER, t. c. **n. sp.**

FLATIDES.

[Cf. JACOBI (734), SCHMIDT (1228, 1228).]

Atracis dentata, Benue, SCHMIDT, p. 376, Stettin Ent. Zeit. lxv, **n. sp.**
Bythopsyrna, analysis, p. 186, *B. ligata* ♂, p. 189, SCHMIDT, t. c.
B. dohrni, p. 188, *udei*, p. 189, *sumatrana*, p. 191, *violacea*, p. 209, Sumatra, SCHMIDT, t. c.; *B. rabbowi*, Java, SCHMIDT, p. 355, t. c. : **n. spp.**
Cerynia nigropustulata, Sumatra, SCHMIDT, t. c. **n. sp.**
Copsyrna alma, Sumatra, SCHMIDT, p. 185, t. c. **n. sp.**
Dascalia punctata, Pará, p. 373, *unimaculata*, Ecuador, p. 374, SCHMIDT, t. c. **n. spp.**
Doria haenschi, p. 356, *ecuadoriana*, p. 357, Ecuador, SCHMIDT, t. c. **n. spp.**
Euphanta luridicosta, p. 359, *rubromarginata*, p. 360, Queensland, SCHMIDT, t. c. **n. spp.**
Flata ferruginea, Borneo, SCHMIDT, p. 354 and var. *æruginosa*, p. 355, t. c. **n. sp.**
Flatoides simulans, Ecuador, SCHMIDT, p. 378, t. c. **n. sp.**
Flatoptera virescens, Borneo, SCHMIDT, p. 358, t. c. **n. sp.**
Flatula bipunctata, Borneo, SCHMIDT, p. 362, t. c. **n. sp.**
Ormenis maculata, S. America, p. 363, *panamensis*, Panama, p. 364, *fumata*, Ecuador, p. 365, *pehlkei*, Colombia, p. 366, *tæniata*, Sumatra, p. 368, *prasina*, Ceylon, p. 370, SCHMIDT, t. c. **n. spp.**
Nephesa truncaticornis ♂, SCHMIDT, p. 203, t. c.
N. carinulata, p. 205, *aurantiaca*, p. 211, Sumatra, id. t. c. **n. spp.**
Paratella variegata, Obi, SCHMIDT, p. 370, t. c. **n. sp.**
Phyma unipunctata, *pura*, p. 196, *hyalina*, *griseo-punctata*, p. 197, *waterstradti*, p. 211, Sumatra, SCHMIDT, t. c.; *P. subapicalis*, Amboina, SCHMIDT, p. 361, t. c. : **n. spp.**
Pœciloptera phalænoides and allies, table of forms, p. 14, *P. fritillaria* = (*suturata* Mel.), p. 7, *P. melichari* n. n. for *fritillaria* Mel. nec Er., p. 9, *P. phalænoides* subspp. n. *completa*, p. 12, *parca*, p. 13, JACOBI, SB. Ges. naturf. Berlin 1904.
P. miliaria, Colombia, p. 8, JACOBI, t. c. **n. sp.**

Pseudoryxa **n. g.** near *Oryxa*, p. 200, *P. carinulata* **n. sp.**, Sumatra, p. 201, SCHMIDT, Stettin Ent. Zeit. lxv.
Sanurus venosus ♂, SCHMIDT, p. 194, t. c.
Sephena tricolor, Java, SCHMIDT, p. 372, t. c. **n. sp.**
Siphanta rubra, Queensland, SCHMIDT, p. 358, t. c. **n. sp.**
Uxantis tænia, Sumatra, SCHMIDT, p. 206, t. c. **n. sp.**
Walkeria melichari, Sumatra, SCHMIDT, p. 192, t. c. **n. sp.**

MEMBRACIDÆ.

The Palæarctic *Membracidæ* and *Cercopidæ* (in Moravian), MELICHAR, pp. 3–34, Vestnik. Klub. Prostejove iv.

Leptocentrus subflavus, Cambodia, NOUALHIER, p. 183, pl. x, fig. 5, Mission Pavie iii, **n. sp.**

CERCOPIDÆ.

[Cf. BREDDIN (172), GIRAULT (612), JACOBI (733, 735), MATSUMURA (922), NOUALHIER (984).]

Anomus cornutulus ?, relations with ants, PENZIG, pp. 64–67, pl. ii, Atti Soc. Ligustica xv.
Aphrophora assimilis Uhl. = (*Rhinaulax apicalis*), *A. vittata* var. = (*niijimæ* Mats.), MATSUMURA, p. 32, Annot. zool. Japon. v; *A. parallela*, habits, froth-formation, GIRAULT, pp. 44–48, Canad. Ent. xxxvi.
A. scutellata, p. 34, pl. ii, fig. 8, *brevis*, *compacta*, fig. 7, p. 35, *fallax*, p. 36, *abieti*, fig. 6, p. 37, *flavomaculata*, fig. 3, p. 39, *harimaensis*, fig. 11, p. 41, *vitis*, fig. 9, p. 42, *nigricans*, p. 43, Japan, MATSUMURA, Annot. zool. Japon. v, **n. spp.**
Callitettix carinifrons, Siam, NOUALHIER, p. 184, pl. x, fig. 8, and pl. xi, fig. 3, Mission Pavie iii, **n. sp.**
Clovia callifera, pl. xliv, fig. 15, p. 777, JACOBI, Zool. Jahrb. Syst. xix.
Cosmoscarta undata var. n. *obscurata*, NOUALHIER, p. 183, pl. x, fig. 6, Mission Pavie iii.
C. carens, Tonkin, NOUALHIER, p. 183, pl. x, fig. 7, t. c. **n. sp.**
Hemiapterus **n. g.** p. 777, near *Tremapterus*, *H. decurtatus* **n. sp.**, Kaffa, p. 778, pl. xliv, fig. 16, JACOBI, Zool. Jahrb. Syst. xix.
Locris amauroptera, p. 772, pl. xliv, fig. 7, *neumanni*, p. 773, fig. 9, *vestigans*, p. 774, fig. 10, N. E. Africa, JACOBI, t. c.; *L. ochroptera*, E. Africa, JACOBI, p. 16, SB. Ges. naturf. Berlin 1904 : **n. spp.**
Mesoptyelus **n. g.** p. 48, *M. nigrifrons*, pl. ii, fig. 13, p. 49, **n. sp.**, Japan, MATSUMURA, Annot. zool. Japon. v.
Oxyrrhacis tarandus, nymph, JACOBI, p. 17, SB. Ges. naturf. Berlin 1904.
Peuceptyelus nawæ, p. 44, pl. ii, fig. 14, *nigroscutellatus*, fig. 16, p. 45, *medius*, fig. 15, *dimidiatus*, p. 47, Japan, MATSUMURA, Annot. zool. Japon. v, **n. spp.**
Poophilus terrenus Walk., pl. xliv, fig. 13, *grisescens*, Schaum, fig. 14, p. 776, JACOBI, Zool. Jahrb. Syst. xix.
Ptyelus æthiops, N. E. Africa, JACOBI, p. 775, pl. xliv, fig. 12, t. c.; *P. bipunctulatus*, E. Africa, MELICHAR, p. 36, Verh. Ges. Wien liv : **n. spp.**
P. abieti, pl. ii, fig. 17, p. 50, *guttatus*, pl. iii, fig. 2, p. 51, *glabrifrons*, fig. 3, p. 52, Japan, MATSUMURA, Annot. zool. Japon. v : **n. spp.**
Tomaspis invenusta, Sobat, JACOBI, p. 771, pl. xliv, fig. 6, Zool. Jahrb. Syst. xix; *T. laqueus*, *erigenea*, *rhodopepla*, *nox*, *illuminatula*, *phantastica*, p. 58, *ephippiata*, *tettigoniella*, p. 59, Ecuador, BREDDIN, Soc. ent. xix : **n. spp.**

JASSIDÆ.

[Cf. ASHMEAD (54), BRÈTHES (175), HORVÁTH (717), JACOBI (733), KIRKALDY (809), MELICHAR (937), MEUNIER (944), NOUALHIER (984), SLINGERLAND (1306).]

For a nov. gen. of *Jassidæ* of secondary epoch, see Palæoent. p. 125.

Alchisme **n. n.** for *Triquetra*, *Mysolis* **n. n.** for *Norsia*, *Thrasymedes* **n. n.** for *Phacusa*, *Gelastogonia* **n. n.** for *Oxygonia*, *Boethoos* **n. n.** for *Parmula*, *Eteoneus* **n. n.** for *Anomus*, *Kronides* **n. n.** for *Argante*, *Sundarion* **n. n.** for *Pyranthe*, *Zanophara* **n. n.** for *Daunus*, *Gelastophara* **n. n.** for *Hypselotropis*, *Hesperophara* **n. n.** for *Leptophara*, *Dioclophara* **n. n.** for *Lucilla*, KIRKALDY, p. 279, Entomologist 1904.

Cicadula clypeata, E. Africa, MELICHAR, p. 47, Verh. Ges. Wien liv; *C. ungæ*, Alaska, ASHMEAD, p. 134, Alaska viii : **n. spp.**

Deltocephalus stummeri, Turkestan, HORVÁTH, p. 587, Ann. Mus. Hungar. ii; *D. coronatus*, p. 45, *ageratus*, p. 46, E. Africa, MELICHAR, Verh. Ges. Wien liv; *D. harrimani*, *evansi*, Alaska, ASHMEAD, p. 132, Alaska viii; *D. hospes*, Oahu, KIRKALDY, p. 177, Entomologist 1904 : **n. spp.**

Ectomops rubescens, Siam, NOUALHIER, p. 185, pl. x, fig. 12, Mission Pavie iii, **n. sp.**

Eutettix quadripunctatus, E. Africa, MELICHAR, p. 44, Verh. Ges. Wien liv; *E. perkinsi*, Oahu, KIRKALDY, p. 178, Entomologist 1904 : **n. spp.**

Gnathodus punctatus var. n. *lineolatus*, HORVÁTH, p. 586, Ann. Mus. Hungar. ii.

G. bipunctatus, E. Africa, MELICHAR, p. 47, Verh. Ges. Wien liv, **n. sp.**

Hecalus dubius, E. Africa, MELICHAR, p. 36, t. c.; *H. platalea*, Siam, NOUALHIER, p. 184, pl. x, fig. 11, Mission Pavie iii : **n. spp.**

Idiocerus almasyi, Turkestan, HORVÁTH, p. 588, Ann. Mus. Hungar. ii, **n. sp.**

Jassus tornowii, Tucuman, BRÈTHES, p. 344, An. Mus. Buenos Aires xi, **n. sp.**

Macropsis serena, E. Africa, MELICHAR, p. 35, Verh. Ges. Wien liv, **n. sp.**

Palicus africanus, p. 40, *conjunctus*, p. 41, E. Africa, MELICHAR, t. c. **n. spp.**

Parabolocratus tænionotus, Jambo, JACOBI, p. 780, pl. xliv, fig. 17, Zool. Jahrb. Syst. xix, **n. sp.**

Pediopsis pictipes, Turkestan, HORVÁTH, p. 589, Ann. Mus. Hungar. ii, **n. sp.**

Phlepsius chloroticus, p. 38, *fasciolatus*, p. 39, *rhomboideus*, p. 40, E. Africa, MELICHAR, Verh. Ges. Wien liv, **n. spp.**

Platymetopius niveimarginatus, E. Africa, MELICHAR, p. 43, t. c. **n. sp.**

Scaphoideus strigulatus, E. Africa, MELICHAR, p. 42, t. c. **n. sp.**

Siva bipunctula, E. Africa, MELICHAR, p. 38, t. c. **n. sp.**

Stymphalus ? caliger, E. Africa, MELICHAR, p. 37, t. c. **n. sp.**

Tettigometra impressifrons and *costulata*, habits, SILVESTRI, Ann. Mus. Napoli (n. s.) i, No. 13.

Tettigoniella **n. n.** for *Tettigonia* auctt., JACOBI, p. 778, Zool. Jahrb. Syst. xix.

Thamnotettix macilentus, Turkestan, HORVÁTH, p. 586, Ann. Mus. Hungar. ii, **n. sp.**

Typhlocyba comes, the grape leaf-hopper, natural history, SLINGERLAND, Bull. Cornell Exp. Stat. No. 215, illustrations.

PSYLLIDÆ.

[Cf. ASHMEAD (55), HORVÁTH (717), SCHWARZ (1263).]

Structure formed by larva on leaves, SCHWARZ, pp. 153, 154, P. ent. Soc. Washington vi.

Aphalara schwarzi, p. 135, *kincaidi*, *alaskensis*, p. 136, Alaska, ASHMEAD, Alaska viii, **n. spp.**
Calophya triozomina, p. 241, *californica*, p. 242, *flavida*, p. 243, cuts, p. 244, SCHWARZ, P. ent. Soc. Washington vi, **n. spp.**
Euphalerus **n. g.** *Apharinæ*, p. 238, *E. nidifex* **n. sp.**, p. 239, Florida, SCHWARZ, t. c.
Euphyllura arctostaphyli, p. 235, and var. *niveipennis*, p. 236, *arbuti*, p. 237, N. America, SCHWARZ, t. c. **n. spp.**
Psylla nasuta, Turkestan, HORVÁTH, p. 590, Ann. Mus. Hungar. ii; *P. alaskensis*, Alaska, ASHMEAD, p. 137, Alaska viii : **n. spp.**
Trichochermes **n. n.** for *Trichopsylla*, KIRKALDY, p. 280, Entomologist 1904.

APHIDÆ.

[Cf. BALBIANI (77), CHOLODKOVSKY (273, 274), COCKERELL (288), FLÖGEL (519), FROGGATT (562), PERGANDE (1023–1025), SCHOUTEDEN (1240), STAUFFACHER (1335), STSCHELKANOVZEW (1352), THEOBALD (1375).]

The forms and development of *Aphis ribis*, FLÖGEL, Allg. Zeitschr. Ent. ix, pp. 321–333 and 375–381.
Organ of hearing, *Chermes*, STAUFFACHER (1335).
Sex in *Aphidæ*, BALBIANI (77).
Oogenesis in viviparous *Aphis rosæ*, STSCHELKANOVZEW (1352).
The wax-glands of *Chermes*, CHOLODKOVSKY, p. 557, pl. xxxi, figg. 4–6, Zool. Jahrb. Syst. xix.
Panaphis **n. n.** for *Ptychodes*, *Dryaphis* **n. n.** for *Dryobius*, *Hamadryaphis* **n. n.** for *Kessleria*, *Dryopeia* **n. n.** for *Endeis*, *Hyadaphis* **n. n.** for *Siphonocoryne* Pass. 1863 not 1860, KIRKALDY, p. 279, Entomologist 1904.

Aphis persicæ-niger in Australia, FROGGATT, Agric. Gaz. N. S. W. xv, pp. 603–612.
A. sorghi, Sudan, injuring *Sorghum*, THEOBALD, p. 43, plate, 1st Rep. Wellcome Lab. **n. sp.**
Cerataphis lataniæ, note, SCHOUTEDEN, p. 5, Hamburg, Magalhaen. Reise vii.
Chermes, in Colorado, GILLETTE, p. 81, Canad. Ent. xxxvi; *C. orientalis*, gall, *C. pini* variable in migration, distinction queried, CHOLODKOVSKY, pp. 476–479, Zool. Anz. xxvii.
Cladobius beaulahensis, New Mexico, COCKERELL, p. 263, Canad. Ent. xxxvi, **n. sp.**
Macrosiphum granaria, *cerealis*, forms, natural history; PERGANDE, p. 13–21, Bull. Dep. Agric. Ent. xliv; *M. ambrosiæ* var., COCKERELL, p. 262, Canad. Ent. xxxvi.
M. trifolii, N. America, PERGANDE, p. 21, Bull. U. S. Dep. Agric. Ent. xliv, **n. sp.**
Phylloxera caryæ-septum var. n. *perforans*, pl. i, figg. 7, 8, pl. x, figg. 57–60, PERGANDE, P. Davenport Ac. ix.
P. picta, pl. ii, fig. 10, pl. ix, fig. 48, pl. x, figg. 61–63, p. 197, *intermedia*, pl. ii, figg. 11–14, pl. x, figg. 64, 65, p. 199, *foveola*, pl. iii, figg. 15, 16, p. 200, *pilosula*, pl. ii, fig. 17, pl. ix, fig. 49, p. 202, *deplanata*, p. 205, pl. iii, figg. 18–20, pl. iv, figg. 21–23, pl. x, figg. 66–70, *rimosalis*, p. 217, pl. iv, fig. 24, pl. ix, fig. 54, *symmetrica*, p. 230, with varr. *vasculosa*, *purpurea*, p. 233, *notabilis*, p. 235, pl. xii, figg. 82–90, *spinuloida*, p. 247, pl. xvii, figg. 128, 130, *devastatrix*, p. 248, figg. 131–135, *georgiana*, p. 249, pl. xv, figg. 115–117, *perniciosa*, p. 251, pl. viii, fig. 45, pl. xv, figg. 120–123, pl. xviii, figg. 136–140, *querceti*, p. 263, pl. xx, figg. 155–158, *popularia*, p. 266, pl. xxi, figg. 159, 160, *salicicola*, p. 267, pl. xxi, figg. 161–168, *nyssæ*, p. 269, pl. xxi, figg. 169–174, North America, PERGANDE, t. c. **n. spp.**

Rhopalosiphum acænæ, Tierra del Fuego, SCHOUTEDEN, p. 4, Hamburg. Magalhaen. Reise vii, **n. sp.**

Sipha berlesei, characters, DEL GUERCIO, p. 4, Bull. Soc. ent. Ital. xxxvi.

Siphocoryne avenæ, natural history, synonymy, PERGANDE, pp. 5–13, Bull. Dep. Agric. Ent. xliv.

ALEYRODIDÆ.

Descriptions of many species, with account of life-history and habits, BEMIS, pp. 471–537, pls. xxvii–xxxvii.

Aleyrodes iridescens, p. 487, *splendens*, p. 489, *pruinosus*, p. 491, *tentaculatus*, p. 494, *kelloggi*, p. 499, *errans*, p. 500, *madroni*, p. 507, *stanfordi*, p. 508, *interrogationis*, p. 510, *merlini*, p. 512, *amnicola*, p. 514, *diasemus*, p. 516, *glacialis*, p. 518, *quaintancei*, p. 520, *nigrans*, p. 522, *maskelli*, p. 524, *wellmanæ*, p. 525, *extraniens*, p. 526, *hutchingsi*, p. 532, California, BEMIS, P. U. S. Mus. xxvii, **n. spp.**

COCCIDÆ.

(Cf. BERLESE (106), COCKERELL (294, 295), EMBLETON (450, 451), FROGGATT (560), GREEN (620, 622–626), KIRKALDY (810, 811), MARCHAL (909, 913), MAZZARELLI (929), REH (1126, 1127), REUTER (1159), SANDERS (1207, 1208), STEBBING (1336).]

The nomenclature of *Hemiptera* and specially of *Coccidæ*; KIRKALDY, pp. 254–258, Entomologist 1904.

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Distribution and food plants of some *Diaspini*, REH, pp. 171–178.

Amelococcus **n. g.** *A. alluaudi* **n. sp.**, Madagascar, MARCHAL, p. 557, Ann. Soc. ent. France 1904.

Antonina australis, Hunter River, GREEN, p. 463, pl. xvi, P. Linn. Soc. N. S. Wales xxix, **n. sp.**; *A. australis*, FROGGATT, pp. 407–410, plate, Agric. Gaz. N. S. W. xv.

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A. (*Pseudaonidia*) *curculiginis*, Java, GREEN, p. 208, Ent. Mag. xl; *A.* (*Hemiberlesia*) *immaculatus*, p. 65, *A.* (*Targionia*) *subfervens*, p. 66, Victoria, GREEN, Victorian Natural. xxi; *A. piceus*, Ohio, SANDERS, p. 96, pl. viii, fig. 66, Ohio Natural. iv: **n. spp.**

Asterolecanium variolosum, galls, DE STEFANI, L'Ora 1904, 8 pp.: cf. Marcellia iii, p. v.

Chætococcus and *Antonina*, identical, GREEN, p. 465, P. Linn. Soc. N. S. Wales xxix.

Chionaspis furfurus, no. of eggs, GIRAULT, p. 3, Ent. News Philad. xv.

C. formosa, Australia, GREEN, p. 462, P. Linn. Soc. N. S. Wales xxix;

C. angusta, Victoria, GREEN, p. 67, Victorian Natural. xxi; *C. sylvatica*, Ohio, SANDERS, p. 95, pl. viii, figg. 64, 65, Ohio Natural. iv : **n. spp.**

Chrysomphalus minor, spread in Europe, natural history, MARCHAL, pp. 246–249, Bull. Soc. ent. France 1904.

Cryptococcus fagi, injuries and remedies, NEWSTEAD, pp. 755–760, J. Board Agric. xi.

Ctenochiton serratus, Victoria, GREEN, p. 67, Victorian Natural. xxi, **n. sp.**

Coccus caudatus, *poterii* Walk. notes on, p. 373, *C. sinensis*, cf. *Ericera pela*, GREEN, Ann. Nat. Hist. xiv.

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Lecanium (*Paralecanium*) *expansum* var. *metallicum*, GREEN, p. 377, Ann. Nat. Hist. xiv; *L. capense* Walk. redescribed as *Aspidiotus* (*Aonidiella*) *capensis*, GREEN, p. 375, t. c.; *L. hesperidum*, ♂ in Australia, HOWARD, p. 62, P. ent. Soc. Washington vi; *L. expansum* varr. n. *metallicum*, *javanicum*, p. 205, *rotundum*, p. 206; GREEN, Ent. Mag. xl.

L. capparidis, p. 187, pl. lxiii, *frontale*, p. 192, pl. lxv, *signiferum*, p. 197, pl. lxviii, *discrepans*, p. 204, pl. lxx, *punctuliferum*, p. 205, pl. lxx, *subtessellatum*, p. 206, pl. lxxi, *marsupiale*, p. 212, pl. lxxv, *bicruciatum*, pl. 214, pl. lxxvi, *arundinariæ*, p. 220, pl. lxxix, *psidii*, pl. lxxxii, p. 225, *calophylli*, p. 240, pl. lxxxix, *paradeniyense*, p. 241, pl. xc, *zonatum*, pp. 245, pl. xcii, *maritimum*, p. 246, pl. xciii, Ceylon, GREEN, *Coccidæ*, Ceylon; *L. tenebricophilum*, Java, GREEN, p. 204, Ent. Mag. xl : **n. spp.**

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M. ficifolii, Italy, BERLESE, Atti Ist. Napoli (5) v, No. 12, p. 3, plate, **n. sp.**

Orthezia solidaginis, Ohio, SANDERS, p. 94, pl. viii, figg. 57–63, Ohio Natural. iv, **n. sp.**

Pseudococcus graminis, Finland, REUTER, p. 66, Medd. Soc. Faun. Fenn. 1902–03, **n. sp.**

Pulvinaria maxima, Java, GREEN, p. 206, Ent. Mag. xl, **n. sp.**

Trionymus hordei, omitted from Fernald's Cat., Ent. News Philad. xv, p. 40.

ANOPLURA.

Ellipoptera n. n. for *Anoplura*, SHIPLEY, p. 261, Zool. Anz. xxvii.

The mouth-parts and external anatomy, ENDERLEIN, pp. 121–125, Zool. Anz. xxviii.

The classification and systematic position of *Anoplura*, table of genera etc., ENDERLEIN, t. c. pp. 134–140, and supplement, p. 220.

Organs for holding, on feet of *Pediculidæ*, OSBORN, Ohio Natural. iv, pp. 107, 108, cuts.

The *Pediculidæ* of rats and mice, TIRABOSCHI, pp. 311–319, Arch. parasit. viii.

Hæmodipsas **n. g.** for *lyriocephalus*, Burm. and *ventricosus* Denny, ENDERLEIN, Zool. Anz. xxviii, p. 143.

Hoplopleura **n. g.** type *H. acanthopus* Burm., ENDERLEIN, t. c. p. 221.

Lepidophthirus **n. g.** on *Macrorhinus leoninus*, Kerguelen isld., p. 44, *L. macrorhini* **n. sp.**, p. 46, ENDERLEIN, Zool. Anz. xxviii.

Polyplax **n. g.** for part of *Hæmatopinus*, type *spinulosa* Burm., ENDERLEIN, p. 142, t. c.

Solenopotes **n. g.** p. 143, for *S. capillatus* **n. sp.**, Leipzig, p. 144, ENDERLEIN, t. c.

Trichaulus **n. g.** p. 141, for *piliferus* Burm. etc., ENDERLEIN, Zool. Anz. xxviii.

(F.) *NEUROPTERA*, s. l.

TRICHOPTERA.

[Cf. BANKS (82–85, 87), KLAPÁLEK (817), MORTON (963), RIS (1175), SILFVENIUS (1293–1296), STITZ (1349), STRUCK (1351), THIENEMANN (1382–1384), ULMER (1417–1422).]

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Peculiar structure on abdomen of *Œcetis*, ? sense-organ, RIS, Vierteljahrschr. Ges. Zurich xlix, pp. 370–374, pl. xii.

Hydropsyche etc. attacking wood of bridges, SILFVENIUS, pp. 54–57, Medd. Soc. Faun. Fenn. 1902/03.

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A. maculata, Washington, BANKS, p. 116, Ent. News Philad. xv, **n. sp.**

Anabolia spinosa, Patagonia, ULMER, p. 11, Hamburg. Magalhaen. Reise vii, **n. sp.**

Berœa pullata, larva, ULMER, p. 286, Mt. Mus. Hamburg. xx, Beih. ii.

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C. pallidus, Washington, BANKS, p. 214, P. ent. Soc. Washington vi, **n. sp.**

Dicosmoecus maculatus, New Mexico, BANKS, p. 107, Tr. Amer. ent. Soc. xxx, **n. sp.**

Dipseudopsis, trophi, ULMER, Zool. Anz. xxviii, p. 58, cuts.

Drusus discolor, case, THIENEMANN, p. 257, Allg. Zeitschr. Ent. ix.

Glossosoma nylanderi, characters of type, SILFVENIUS, p. 171, Medd. Soc. Faun. Fenn. 1902/03.

G. parvula, p. 108, *ventralis*, p. 109, New Mexico, BANKS, Tr. Amer. ent. Soc. xxx, **n. spp.**

Glyphopsyche **n. g.** near *Glyphotælius*, *G. bryanti* **n. sp.**, British Columbia, BANKS, p. 141, P. ent. Soc. Washington vi.

Halesus radiatus ♂ genitalia, ULMER, p. 283, Mt. Mus. Hamburg xx, Beih. ii.

H. taylori, Brit. Columbia, BANKS, p. 140, P. ent. Soc. Washington vi, **n. sp.**

Helicopsyche annulicornis, Washington, BANKS, p. 212, t. c. **n. sp.**

Holocentropus dubius, larva and pupa, SILFVENIUS, pp. 3–6, pl. figg. 1, Acta Soc. Faun. Fenn. xxvi, No. 2.

Hyalopsyche **n. g.** *Polycentropini*, p. 357, *H. palpata* **n. sp.**, W. Africa, p. 358, ULMER, Zool. Anz. xxviii.

Hydropsyche sexfasciata, Cameroons, ULMER, p. 421, Arkiv Zool. i; *H. speciosa*, Washington, BANKS, p. 214, P. ent. Soc. Washington vi; *H. novamexicana*, New Mexico, BANKS, p. 110, Tr. Amer. ent. Soc. xxx: **n. spp.**

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L. michaelseni, p. 7, *armatus*, p. 8, *patagonicus*, p. 9, *setipes*, p. 10, Patagonia, ULMER, Hamburg. Magalhaen. Reise vii, **n. spp.**

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Nyctiophylax occidentalis, W. Africa, ULMER, p. 355, Zool. Anz. xxviii, **n. sp.**

Œstropsis bipunctata ♂, ULMER, p. 413, Arkiv Zool. i.

Orthotrichia pallida, Washington, BANKS, p. 215, P. ent. Soc. Washington vi; *O. americana*, Washington, BANKS, p. 116, Ent. News Philad. xv: **n. spp.**

Oxyethira mirabilis, Scotland, MORTON, p. 327, Tr. ent. Soc. London 1904; *O. dorsalis*, Washington, BANKS, p. 216, P. ent. Soc. Washington vi: **n. spp.**

Plectrotarsus, trophi, ULMER, Zool. Anz. xxviii, p. 58, cuts.

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Protomacronema **n. g.** p. 416, *P. pubescens* **n. sp.**, Cameroons, p. 417, ULMER, Arkiv Zool. i; *P. hyalinum*, W. Africa, ULMER, p. 354, Zool. Anz. xxviii, **n. sp.**

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Stactobia eatoniella, larva, THIENEMANN, p. 261, Allg. Zeitschr. Ent. ix.

Stenophylax branchiatus, p. 17, *S.*? *appendiculatus*, p. 19, Patagonia, ULMER, Hamburg. Magalhaen. Reise vii, **n. spp.**

NEUROPTERA-PLANIPENNIA (incl. PANORPIDÆ).

[Cf. BANKS (81, 82), CURRIE (334, 335), FROGGATT (557, 562), KEMPNY (785, 1232), KIRBY (806), NAVÁS (974–976), WEELE (1501), XAMBEU (1539).]

HEMEROBIIDÆ and PANORPIDÆ.

Acanthaclisis maclachlani, N. W. Australia, VAN DER WEELE, p. 210, Notes Leyden Mus. xxiv, **n. sp.**

Albardia furcata, characters, WEELE, p. 203, t. c.

Ascalaphus immaculatus, the type, WEELE, p. 204, t. c.; *A. maculatus* type, is *niger* Borkh., WEELE, p. 167, t. c.; *A. ictericus* and *meridionalis*, larva and habits, XAMBEU, pp. 121, 123, Ann. Soc. Linn. Lyon l.

Berotha piepersii, Java, WEELE, p. 214, Notes Leyden Mus. xxiv, **n. sp.**

Brachynemurus elongatus, New Mexico, BANKS, p. 105, Tr. Amer. ent. Soc. xxx, **n. sp.**

Chasmatoptera sheppardi, Asia Minor, KIRBY, p. 60, Ann. Nat. Hist. xiv, **n. sp.**

Chrysopa vulgaris var. n. *radialis*, p. 119, *nigricostata* var. n. *marginata*, p. 120, *C. inornata*, full description, p. 124, NAVÁS, Bol. Soc. Aragon. iii; *C. vulgaris*, larva, XAMBEU, pp. 215–217, Ann. Soc. Linn. Lyon l.

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Cordulecerus inquinatus, adult, WEELE, p. 205, Notes Leyden Mus. xxiv.

Croce attenuata, Queensland, pl. xx, fig. 1, p. 675, FROGGATT, P. Linn. Soc. N. S. Wales 1904, **n. sp.**

Cymothalis liberiensis, W. Africa, WEELE, p. 212, Notes Leyden Mus. xxiv, **n. sp.**

Helicomitus philippinensis, Luzon, WEELE, p. 206, t. c. **n. sp.**

Hemerobius dyari, p. 85, *kokaneeanus*, p. 86, *caudelli*, p. 87, *glacialis*, *kootenayensis*, p. 88, British Columbia, CURRIE, P. ent. Soc. Washington vi; *H. transversus*, *nevadensis*, *dorsatus*, p. 61, *pictus*, *speciosus*, p. 62, U. S. N. Amer., BANKS, Canad. Ent. xxxvi; *H. angustus*, New Mexico, BANKS, p. 102, Tr. Amer. ent. Soc. xxx; *H. bistrigatus*, p. 79, *pallescens*, p. 80, California, CURRIE, P. ent. Soc. Washington vi: **n. spp.**

Hybris flavicans, Sumatra, p. 208, *borneënsis*, Borneo, p. 209, WEELE, Notes Leyden Mus. xxiv, **n. spp.**

Merope tuber, note, BARBER, p. 50, P. ent. Soc. Washington vi.

Micromus australis, N. S. Wales, FROGGATT, p. 609, plate, Agric. Gaz. N. S. W. xv, **n. sp.**

Myrmeleon arenarius, *ochreatus*, figg. 1, 2, pl. iv, NAVÁS, Bol. Soc. Aragon. iii; *M. formicarius*, *formicaleo*, in Holland, WEELE, pp. 110, 111, Ent. Ber. Nederland. i; *M. bifasciatum*, *sinuatum*, examination of types, WEELE, pp. 167, 168, Notes Leyden Mus. xxiv; *M.*, the Spanish, pp. 21–24, pl. i, *M. arenarius* n. n. for *variegatus* Ramb. nec Klug, p. 22, NAVÁS, Butl. Inst. Catalan. i.

M. ochreatus, Spain, NAVÁS, p. 23, t. c.; *M. distichus*, p. 106, *sticticus*, p. 107, Spain, NAVÁS, Bol. Soc. Aragon. ii: **n. spp.**

Panorpa meridionalis var. n. *fenestrata*, NAVÁS, p. 101, t. c.

Psammoleon inscriptus Hag., BANKS, p. 106, Tr. Amer. ent. Soc. xxx.

Theleproctophylla variegata Klug and *barbara L.* are distinct species, WEELE, pp. 95–98, Notes Leyden Mus. xxv.

Ulula præcellens to *Cordulecerus*, WEELE, p. 205, t. c.

PSEUDO-NEUROPTERA.

PSOCIDÆ.

[Cf. BANKS (82, 87), ENDERLEIN (454, 455), REUTER (1161), RIBAGA (1171).]

Psocoptera, new ordinal name for *Psocidæ*, SHIPLEY, p. 261, Zool. Anz. xxvii.
Interpretation of the stigma, ENDERLEIN, p. 111, Zool. Jahrb. Syst. xx.

Calopsocus infelix, wings etc., ENDERLEIN, p. 106, pl. vii, fig. 1, op. cit. xix.
Edipsocus, forms in Finland, pp. 5–8, *E. hyalinus* var. n. *abdominalis*, p. 6, REUTER, Acta Soc. Faun. Fenn. xxvi, No. 9.
Ectopsocus and *Micropsocus*, *E. briggsi* var. n. *meridionalis*, RIBAGA, pp. 294–298, Redia i.
Hemineura fusca, Finland, pl. ii, fig. 2, p. 3, REUTER, Acta Soc. Faun. Fenn. xxvi, No. 9, **n. sp.**
Leptocella gracilis, New Mexico, BANKS, p. 110, Tr. Amer. ent. Soc. xxx, **n. sp.**
Leptodella **n. n.** for *Leptella* Reut. p. 11, characters and peculiarities, pp. 8–14, REUTER, Acta Soc. Faun. Fenn. xxvi, No. 9.
Leptosocus, characters amended, REUTER, pp. 18–20, t. c.
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Reuterella, characters and species, REUTER, pp. 16–18, t. c.; *R. helvimacula* var. n. *enderleini*, SCHILLE, p. 475, Zool. Anz. xxvii.
Sva **n. g.** p. 109, near *Perientomum*, *S. dahliana* **n. sp.**, Bismarck Archipelago, p. 110, ENDERLEIN, Zool. Jahrb. Syst. xx.

MALLOPHAGA.

[Cf. CARRIKER (247), KELLOGG & CHAPMAN (784).]

Lipoptera **n. n.** for *Mallophaga*, SHIPLEY, p. 261, Zool. Anz. xxvii.
Fresh identification of mouth-parts of *Læmobothrium*, WATERHOUSE, p. v, cut, P. ent. Soc. London 1904.
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KELLOGG'S & CHAPMAN'S memoir on Hawaiian *Mallophaga* (1902) is reprinted in Fauna Hawaiiensis iii, pp. 305–321, pl. x.

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C. gypagi, pl. vi, fig. 2, p. 171, *extraneum*, fig. 3, p. 173, *luroris*, fig. 4, p. 174, *mirabile*, fig. 5, p. 175, Costa Rica, CARRIKER, t. c. **n. spp.**
Docophorus platystomus umbrosus var. n. p. 126, CARRIKER, t. c.
D. transversifrons, p. 127, pl. i, fig. 1, *bruneri*, p. 128, fig. 2, *underwoodi*, p. 130, fig. 3, *cancellosus*, p. 132, fig. 4, Costa Rica, CARRIKER, t. c. **n. spp.**
Goniocotes eurysema, Costa Rica, pl. iii, fig. 6, p. 150, CARRIKER, t. c. **n. sp.**
Goniodes minutus, pl. iv, figg. 1, 2, p. 155, *aberrans*, figg. 4, 5, p. 157, Costa Rica, CARRIKER, t. c. **n. spp.**
Kelloggia **n. g.** p. 153, *brevipes* **n. sp.** pl. i, fig. 2, p. 154, on *Tinamus*, Costa Rica, CARRIKER, t. c.

Læmobothrium delogramma, pl. iv, fig. 6, p. 159, *oligothrix*, fig. 7, p. 161, Costa Rica, CARRIKER, t. c. **n. spp.**
Lipeurus longipes tinami var. n. p. 146, CARRIKER, t. c.
L. postemarginatus, pl. iii, fig. 4, p. 147, Costa Rica, CARRIKER, t. c. **n. sp.**
Menopon tridens costaricense var. n. p. 178, *M. præcursor meridionale* var. n. p. 180, *M. thoracicum* varr. n. *majus* and *fuscum*, p. 187, CARRIKER, t. c.
M. ortalidis, pl. vii, fig. 1, p. 179, *macrocybe*, fig. 2, p. 181, *tityrus*, fig. 4, p. 182, *stenodesmum*, pl. viii, fig. 2, p. 184, *difficile*, fig. 1, p. 188, *palloris*, fig. 3, p. 189, *laticorpus*, p. vii, fig. 5, p. 190, Costa Rica, CARRIKER, t. c. **n. spp.**
Nirmus fuscus epustulatus var. n. p. 133, *N. brachythorax ptiliogonis* var. p. 143, CARRIKER, t. c.
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Nitzschia bruneri, p. 177 with var. *meridionalis*, p. 178, Costa Rica, CARRIKER, t. c. **n. sp.**
Ornicholax **n. g.** *robustus* **n. sp.** on *Tinamus*, Costa Rica, pl. ix, fig. 1, p. 151, CARRIKER, t. c.
Physostomum jiminezi, pl. v, fig. 1, p. 163, *doratophorum*, fig. 4, p. 165, *leptosomum*, fig. 2, p. 166, *subangulatum*, fig. 3, p. 168, Costa Rica, CARRIKER, t. c. **n. spp.**

TERMITIDÆ or ISOPTERA.

[Cf. DESNEUX (368–373), JACOBSON (741), SILVESTRI (1299), SJÖSTEDT (1301), WASMANN (1485, 1487), WHEELER (1524).]

The classification and genera of *Termitidæ*, with list of the species, DESNEUX, *Isoptera*, in Wytsman Gen. Ins. fasc. xxv, 52 pp., 2 pls.
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Anacanthotermes **subg. n.** cf. *Hodotermes*.
Archotermopsis **subg. n.** *T. wroughtoni* (below), DESNEUX, p. 13, Isoptera.
Calotermes marginalis in Turkestan, JACOBSON, pp. 72 etc., Annuaire Mus. St. Petersb. ix.
C. desneuxi, Madagascar, p. 11, *maroccoensis*, Tangier, *planiceps*, S. Africa,

p. 17, *auriceps*, Cameroons, p. 19, SJÖSTEDT, Svenska Ak. Handl. xxxviii, No. 4; *C. militaris*, Ceylon, DESNEUX, p. 146, Ann. Soc. ent. Belgique xlviii; *C. wagneri*, Brazil, DESNEUX, p. 286, t. c. : **n. spp.**

Eutermes sudanicus, Soudan, p. 77, *palæarcticus*, Algeria, p. 79, *chiasognathus*, Cameroons, p. 85, *salebrithorax*, Madagascar, p. 89, *mobilis*, Soudan, p. 91, *occidentalis*, Kerry Coast, p. 93, *divellens*, Madagascar, p. 94, *aluco*, Soudan, p. 95, *rapulum*, p. 99, *usambarensis*, p. 103, Usambara, *maculiventris*, Gaboon, p. 104, *clepsydra*, Madagascar, p. 108, SJÖSTEDT, Svenska Ak. Handl. xxxviii, No. 4 : **n. spp.**

Hodotermes vagans septentrionalis subsp. n., JACOBSON, p. 65, Annuaire Mus. St. Petersb. ix.

H. (*Anacanthotermes* subg. n. p. 76) *turkestanicus*, p. 61, *ahngerianus*, p. 67, JACOBSON, t. c. **n. spp.**

Mastotermes, characters and importance, DESNEUX, pp. 279–281, Ann. Soc. ent. Belgique xlviii, and WASMANN, t. c.

Rhinotermes taurus, Surinam, DESNEUX, p. 146, t. c. **n. sp.**

Termes lucifugus, swarming at Bordeaux, LALOY, p. 131, Naturaliste 1904; *T. havilandi* n. n. for *latifrons* Hav. nec Sjöst., DESNEUX, p. 151, Ann. Soc. ent. Belgique xlviii; *T. desertorum*, worker and imago, DESNEUX, p. 147, t. c.

T. canalifrons, p. 47, Madagascar, *fidens*, West Africa, p. 52, *aurora*, Zanzibar, p. 60, *agilis*, Liberia, p. 61, *fuscofemoralis*, Red Sea, p. 62, *ramulosus*, E. Africa, p. 64, *salebrifrons*, N. E. Africa, p. 65, *erodens*, Red Sea, p. 66, *redenianus*, Usambara, p. 68, *tragardhi*, Soudan, p. 71, SJÖSTEDT, Svenska Ak. Handl. xxxviii, No. 4; *T. annamensis*, Annam, *zenkeri*, Cameroons, DESNEUX, p. 148, Ann. Soc. ent. Belgique xlviii; *T. bouvieri*, Maraquita, p. 287, *tenuirostris*, Mexico, p. 288, DESNEUX, t. c. : **n. spp.**

Termitogeton **subg. n.** for *T. planus* Hav., DESNEUX, p. 374, t. c.

Termopsis wroughtoni, Kashmir, DESNEUX, p. 445, J. Bombay Soc. xv, **n. sp.**

EMBIIDÆ = EMBIOPTERA.

[Cf. FROGGATT (557), KUSNEZOV (850), LÉGER (870), VERHOEFF (1434), WASMANN (1485).]

Embioptera new ordinal n. for *Embiidæ*, SHIPLEY, p. 261, Zool. Anz. xxvii.

Anatomy and taxonomy of *Embiidæ*, treating them as suborder nov. *Adenopoda* of *Isoptera*, VERHOEFF, Acta Ac. German. lxxxii, No. 2, 65 pp., 4 pls.

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Euembia **subg. n.** for *Embia*, male-winged species, VERHOEFF, t. c. p. 201.

Haploembia **subg. n.** for *E. solieri*, VERHOEFF, t. c. p. 201.

Oligotoma ? termitophila, Soudan, WASMANN, pl. i, fig. 6, p. 17, Jägerskiöld exp. No. 13; *O. gurneyi*, pl. xx, figg. 2, 3, p. 672, *agilis*, figg. 4, 6, p. 673, New South Wales, FROGGATT, P. Linn. Soc. N. S. Wales 1904, **n. spp.**

PERLIDÆ or PLECOPTERA.

[Cf. BANKS (82), KLAPÁLEK (818), NAVÁS (974).]

Patagonian *Perlidæ*, KLAPÁLEK, Hamburg. Magalhaen. Reise vii, 13 pp.

Acroneuria nigrita, New Mexico, BANKS, p. 98, Tr. Amer. ent. Soc. xxx, **n. sp.**

Arcynopteryx **n. g.** for part of *Dictyopteryx*, KLAPÁLEK, p. 7, Rozp. Ceske Ak. Praze ii, xiii, No. 17.

Chloroperla pallidula, New Mexico, BANKS, p. 99, Tr. Amer. ent. Soc. xxx, **n. sp.**

Dictyogenus **subg. n.** for *D. alpina* etc., KLAPÁLEK, p. 8, Rozp. Ceske Ak. Praze ii, xiii, No. 17.

Dictyopterygella **n. subg.** p. 5, *D. septentrionis* **n. sp.**, Siberia, p. 6, KLAPÁLEK, t. c.

Gripopteryx revised, KLAPÁLEK, Hamburg. Magalhaen. Reise vii.

G. tigrina, Peru, p. 11, *michaelseni*, Tierra-del-fuego, p. 12, id. t. c. **n. spp.**

Isogenus nubecula, nymph, structure, KLAPÁLEK, pp. 8–10, Rozp. Ceske Ak. Praze ii, xiii, No. 17.

Tæniopteryx ornata, p. 102, *dusmeti*, p. 104, *matritensis*, p. 105, Spain, NAVÁS, Bol. Soc. Aragon. ii, **n. spp.**

EPHEMERIDÆ.

[Cf. NAVÁS (974), REITZENSTEIN (1157), ULMER (1423).]

Ephemeroptera new ordinal n. for *Ephemeridæ*, SHIPLEY, p. 261, Zool. Anz. xxvii.

Agnatha Meinert = (*Plectoptera* Pack.) to be used for this Order, BÖRNER, p. 525, Zool. Anz. xxvii.

The terms *Plectoptera*, *Anisoptera* and *Ephemeroptera*, BANKS, p. 155, Science xx.

ULMER gives notes on *Leptophlebia*- and *Baëtis*-like nymphs from Patagonia, Hamburg. Magalhaen. Reise vii.

Ephemeridæ re-entering water, SLADE, p. 15, Ent. Mag. xl.

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E. hispanica, Burgos, NAVÁS, p. 100, Bol. Soc. Aragon. ii, **n. sp.**

ODONATA or PARANEUROPTERA.

[Cf. BUTLER (211), CALVERT (220), CURRIE (336), FÖRSTER (536), HANDLIRSCH (662), HEYMONS (683), LUCAS (890), MARTIN (919), NEEDHAM (978), PIERRE (1087), RIS (1176), SLEVOGT (1305), WILLIAMSON (1531, 1532).]

Paraneuroptera new ordinal name for *Odonata*, SHIPLEY, p. 261, Zool. Anz. xxvii.

The terms *Archiptera*, *Pseudoneuroptera*, *Paraneuroptera*, BANKS, p. 155, Science xx.

WILLIAMSON revises the *Calopteryginæ* of Burma and Lower Siam, 12 genn. and 21 species, gives the characters of genera and species, some figures and synonymy and describes 1 n. sp., P. U. S. Mus. xxviii, No. 1389, pp. 165–187.

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List of *Odonata* of Indo-China, MARTIN, pp. 204–221, Mission Pavie iii.

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Hatching of *Lestes viridis*, PIERRE, pp. 477–484, pl. iv, Ann. Soc. ent. France 1904.

Acanthagrion ambiguum, Buenos Aires, RIS, p. 13, Hamburg. Magalhaen. Reise vii, **n. sp.**

Æschna cornigera and allies, characters, RIS, p. 23, t. c.; *A. grandis*, habits, SLEVOGT, p. 37, Soc. ent. xix.

Agrion armatum, characters, LUCAS, p. 33, pl. iii, figg. 2–5, Entomologist 1904.

Allopetalia reticulosa, characters, cuts, RIS, pp. 21–23, Hamburg. Magalhaen. Reise vii.

Amphiæschna grubaueri, Malacca, FÖRSTER, p. 355, Ins. Börse 1904, **n. sp.**

Antiagrion **n. g.** type *Agrion gayi*, RIS, p. 7, Hamburg. Magalhaen. Reise vii.

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Echo maxima, Tonkin, MARTIN, p. 219, t. c. **n. sp.**

Gomphidia krugeri, Tonkin, MARTIN, p. 216, t. c. **n. sp.**

Gomphus thomassoni to *Onychogomphus*, characters, MARTIN, p. 213, t. c.; *G. furcifer*, nymph; WALKER, p. 358, Canad. Ent. xxxvi.

G. vermicularis, Tonkin, MARTIN, p. 214, Mission Pavie iii, **n. sp.**

Hagenius gigas, Tonkin, MARTIN, p. 216, t. c. **n. sp.**

Heterogomphus unicolor, Siam, MARTIN, p. 211, t. c. **n. sp.**

Ischnura elegans var., F. & H. CAMPION, p. 252, Entomologist 1904.

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Merogomphus **n. g.** *paviei* **n. sp.**, Tonkin, MARTIN, p. 214, t. c.

Micrathyria berenice, nymph, CALVERT, p. 174, Ent. News Philad. xv.

M. pallida, Brazil, NEEDHAM, p. 710, P. U. S. Mus. xxvii, **n. sp.**

Neurothemis septentrionis, Sikkim, FÖRSTER, p. 363, Ins. Börse 1904, **n. sp.**

Onychogomphus camelus, Tonkin, MARTIN, p. 212, Mission Pavie iii, **n. sp.**

Onychothemis abnormis var. n. *tonkinensis*, MARTIN, p. 209, t. c.

O. culminicola, Upper Malacca, FÖRSTER, p. 362, Ins. Börse 1904, **n. sp.**

Orolestes octomaculata, Cambodia, MARTIN, p. 220, Mission Pavie iii, **n. sp.**

Oxyagrion saliceti, Buenos Aires, RIS, p. 9, Hamburg. Magalhaen. Reise vii, **n. sp.**

Pseudothemis jorina, Upper Malacca, FÖRSTER, p. 363, Ins. Börse 1904, **n. sp.**

Psolodesmus dorothea, Formosa, WILLIAMSON, p. 249, cuts, Ent. News Philad. xv, **n. sp.**

Thaumatoneura pellucida, Costa Rica, CALVERT, p. 216, Ent. News Philad. xv, **n. sp.**

Trithemis aurora, minuscula, wings, NEEDHAM, pl. xliv, p. 709, P. U. S. Mus. xxvii.

THYSANOPTERA.

[Cf. BÖRNER (157), DANIEL (350), FROGGATT (556).]

The *trophi*, relations with *Hemiptera*, BÖRNER (157).

Caliothrips **n. g.** p. 296, *C. woodworthi* **n. sp.**, California, p. 297, DANIEL, Ent. News Philad. xv.
Criptothrips californicus, S. California, DANIEL, p. 293, t. c. **n. sp.**
Euthrips pyri, San Leandro, DANIEL, p. 294, t. c. **n. sp.**
Idolothrips, habits, life-history, eggs, *I. spectrum* ♀ = (*marginata* Hal.), *spectrum* ♂ var. = (*lacertina* Hal.), FROGGATT, P. Linn. Soc. N. S. Wales xxix, pp. 54–57, pl. iii.
Sericothrips apteris, Berkely, DANIEL, p. 295, Ent. News Philad. xv, **n. sp.**

(G.) *APTERA* or *THYSANURA* and *COLLEMBOLA.*

[Cf. BRUNTZ (196), ESCHERICH (1485), FOLSOM (522), KLAPÁLEK (816), PHILIPTSCHENKO (1045), SILVESTRI (1297, 1300).]

Aptera, as ordinal name for *Thysanura*, SHIPLEY, Zool. Anz. xxvii, p. 261.
Atelura sudanensis, White Nile, ESCHERICH, p. 20, Jägerskiöld exp. No. 13, **n. sp.**
Campodea, anatomy, PHILIPTSCHENKO (1045).
Diplura n. order for *Thysanura entotropha* Grassi, BÖRNER, p. 525, Zool. Anz. xxvii.
Japyx solifugus, in Crimea, KUSNEZOV, p. 227, Rev. Russe Ent. iv.
J. sharpi, Kauai, SILVESTRI, p. 293, pl. viii, figg. 1, 2, Fauna Hawaiiensis iii, **n. sp.**
Lepisma hawaiiensis, Kauai, SILVESTRI, p. 296, pl. viii, fig. 19, t. c. **n. sp.**
Machilidæ, tabulation, SILVESTRI, pp. 4–9, Redia ii.
Machiloides **n. g.** for *Machilis appendiculata*, SILVESTRI, p. 4, t. c. 1905 pu 6
Machilis alternata, Umbria, SILVESTRI, p. 6, t. c.; *M. perkinsi*, Kauai, p. 294, *heteropus*, Kauai, Hawaii, p. 295, SILVESTRI, Fauna Hawaiiensis iii : **n. spp.**
Præmachilis meticulosa, Umbria, SILVESTRI, p. 7, Redia ii, **n. sp.**

COLLEMBOLA.

[Cf. ABSOLON (6, 7), AGREN (18), AXELSON (68, 68A), CARPENTER (243), CARPENTER & EVANS (245), HOFFMANN (694), SCHÖTT (1234).]

Apontoptera n. n. for *Collembola*, SHIPLEY, p. 261, Zool. Anz. xxvii.
Synaptera and *Collembola*, the terms, BANKS, p. 155, Science xx.
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Antennal and postantennal organ, ABSOLON, pp. 83–89, Vestnik. Klub. Prostejove iii.
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Achorutes spp., post-antennary organ, SCHÖTT, pl. i, pp. 5–10, Bih. Svenska Ak. xxviii, Afd. iv, No. 2.
A. propinquus, Edinboro, CARPENTER & EVANS, p. 217, pl. iv, figg. 10–14, P. Phys. Soc. Edinb. xv ; *A. bengtssoni*, p. 2, figg. 1–4, *serratus*, p. 5, figg. 5–7, *mitis*, p. 6, Lapland, AGREN, Arkiv Zool. ii, No. 1 : **n. spp.**
Anurida amorita in Siberia, AXELSON, p. 4, Ofv. Finska Forh. xlv, No. 20.
Dicyrtoma pygmæa var. n. *purpurea*, ABSOLON, p. 61, Vestnik. Klub. Prostejove ii ; *D. palmata* in Siberia, AXELSON, p. 12, fig. 7, Ofv. Finska Forh. xlv, No. 20.
D. violacea, Moravia, ABSOLON, p. 61, Vestnik. Klub. Prostejove ii, **n. sp.**
Entombrya nivalis ab. n. *dorsalis*, AGREN, p. 22, figg. 14–16, Arkiv Zool. ii, No. 1.

E. insularis, Hawaii, pl. ix, figg. 7–11, *kalakaua*, Kauai, figg. 12–16, p. 301, CARPENTER, Fauna Hawaiiensis iii, **n. spp.**

Friesea, characters, SCHÖTT, p. 17, Bih. Svenska Ak. xxviii, Afd. iv, No. 2.

Heteromurus hirsutus, Moravia, ABSOLON, p. 62, Vestnik. Klub. Prostejove ii, **n. sp.**

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I. intermedia, Sweden, SCHÖTT, p. 25, Bih. Svenska Ak. xxviii, Afd. iv, No. 2 ; *I. poppiusi*, Siberia, AXELSON, p. 5, pl. figg. 1–4, Ofv. Finska Forh. xlv, No. 20 ; *I. perkinsi*, Kauai, pl. ix, figg. 17–19, p. 302, CARPENTER, Fauna Hawaiiensis iii : **n. spp.**

Lepidocyrtus lanuginosus ab. n. *rubiginosa*, AGREN, p. 25, Arkiv Zool. ii, No. 1.

L. ruber, Sweden, SCHÖTT, p. 31, Bih. Svenska Ak. xxviii, Afd. iv, No. 2 ; *L. heterophthalmus*, Hawaii, pl. ix, fig. 1, p. 300, CARPENTER, Fauna Hawaiiensis iii : **n. spp.**

Neanura ornata in Siberia, AXELSON, p. 3, Ofv. Finska Forh. xlv, No. 20.

N. citronella, Hawaiian islds., pl. ix, figg. 20–27, p. 303, CARPENTER, Fauna Hawaiiensis iii, **n. sp.**

Onychiurus arcticus is ab. of *armatus*, AGREN, p. 13, Arkiv Zool. ii, No. 1.

Papirius rufescens var. n. *discolor*, SCHÖTT, p. 41, pl. v, figg. 1–5, Bih. Svenska Ak. xxviii, Afd. iv, No. 2.

Pseudachorutes lapponicus, Lapland, AGREN, p. 8, fig. 8, Arkiv Zool. ii, No. 1 ; *P. tuberculatus*, p. 13, *borneri*, p. 14, Sweden, SCHÖTT, Bih. Svenska Ak. xxviii, Afd. iv, No. 2 : **n. spp.**

Pseudosinella sexoculata, Sweden, SCHÖTT, p. 34, pl. iv, figg. 8–12, t. c. **n. sp.**

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Schottella crassicornis, p. 10, pl. ii, figg. 8–12, *sensibilis*, p. 11, figg. 13–20, Sweden, SCHÖTT, Bih. Svenska Ak. xxviii, Afd. iv, No. 2, **n. spp.**

Sminthurus variegatus ?, Siberia, AXELSON, p. 9, Ofv. Finska Forh. xlv, No. 20.

Tetrachantella, characters and position, SCHÖTT, pp. 18–20, pl. iii, figg. 12, 13, Bih. Svenska Ak. xxviii, Afd. iv, No. 2.

(H.) *ORTHOPTERA.*

Phagocytic organs, morphology, DAWYDOFF (354–357).
Synopsis of Orthoptera of Western Europe, BURR (202).
New Permian *Orthoptera*, see p. 125, Palæoentomology, HANDLIRSCH.

FORFICULIDÆ.

[Cf. BENNETT (100), BORELLI (153, 154), BORG (156), BURR (201), CAUDELL (254, 255), DISTANT (382), MJÖBERG (950), REHN (1128).]

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Pyragra paraguayensis, Asuncion, BORELLI, p. 1, Boll. Mus. Torino xix, No. 479, **n. sp.**
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BLATTIDÆ and HEMIMERIDÆ.

[Cf. ADELUNG (11, 12), AGNUS (17), BORG (155), CAUDELL (255), NAVÁS (975), REHN (1128, 1135, 1138), RILEY (1173), REITZENSTEIN (1157), SCUDDER & COCKERELL (1267), SELLARDS (1269, 1270), STERZEL (1345), TEPPER (1370), WASSILIEFF (1488).]

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Homæogamia subdiaphana, New Mexico, SCUDDER, p. 19, pl. v, fig. 3, P. Davenport Ac. ix, **n. sp.**

Isoniscus **n. g.** near *Zetobora*, p. 27, *I. sjostedti* **n. sp.**, Cameroons, p. 28, pl. ii, fig. 3, BORG, Bih. Svenska Ak. xxviii, Afd. iv, No. 10.

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Opistoplatia plicata, Himalaya, NAVÁS, p. 130, Bol. Soc. Aragon. iii, **n. sp.**

Oxyhaloa saussurei, Cameroons, BORG, p. 29, pl. ii, fig. 2, Bih. Svenska Ak. xxviii, Afd. iv, No. 10; *O. nilotica*, Abyssinia, ADELUNG, p. 334, pl. xx, fig. 9, Annuaire Mus. St. Petersb. viii : **n. spp.**

Panchlora stolata, p. 23, pl. i, fig. 7, *camerunensis*, p. 24, Cameroons, BORG, Bih. Svenska Ak. xxviii, Afd. iv, No. 10, **n. spp.**

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MANTIDÆ.

[Cf. CAUDELL (255), CESNOLA (256B), KIRBY (804), NAVÁS (975), REHN (1129, 1136), TEPPER (1370), WERNER (1509), WILLIAMS (1530).]

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PHASMIDÆ.

[Cf. CAUDELL (251, 255), KIRBY (805), REHN (1130, 1131), SCUDDER & COCKERELL (1267).]

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Bacunculus stramineus, New Mexico, SCUDDER, p. 20, pl. i, fig. 1, P. Davenport Ac. ix; *B. dubia*, Paraguay, CAUDELL, p. 186, J. N. York Ent. Soc. xii : **n. spp.**
Bostra incompta, p. 57, *remiformis*, p. 58, Costa Rica, REHN, P. Ac. Philad. lvi; *B. jaliscensis*, Mexico, REHN, p. 514, t. c. : **n. spp.**
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Carausius bracatus, Siam, p. 42, *mammatus*, p. 44, *obiensis*, p. 46, Obi, REHN, P. Ac. Philad. lvi, **n. spp.**
Ceratiscus **n. g.** *Clitumninæ*, *C. laticeps* **n. sp.**, Paraguay, CAUDELL, p. 188, J. N. York Ent. Soc. xii.
Ceroys bigibbus, Nicaragua, REHN, p. 48, P. Ac. Philad. lvi, **n. sp.**
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Euryenema magnifica, New Guinea, p. 439, *viridissima*, N. Australia, p. 440, KIRBY, t. c. **n. spp.**
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Heteronemia ignava, Costa Rica, REHN, p. 54, P. Ac. Philad. lvi, **n. sp.**
Ignacia **n. g.** for *Pseudophasma* Bol. nec Kirb., REHN, p. 95, t. c.; *I. appendiculata*, Nauta, KIRBY, p. 446, Ann. Nat. Hist. xiii, **n. sp.**
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GRYLLIDÆ.

[Cf. BRUNER (195), REHN (1131), SCUDDER & COCKERELL (1267), VOSS (1461), WALKER (1465).]

Phagocytic organs in *Gryllidæ*, DAWYDOFF (356).
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Myrmecophila acervorum ♂, CSIKI, pp. 85, 88, Allatt. Kozl. Magyar. Tars. iii; *M. acervorum, ochracea*, habits, SILVESTRI, Ann. Mus. Napoli (n. s.) i, No. 13.
Nemobius fasciatus var. n. *abortivus*, CAUDELL, p. 248, Canad. Ent. xxxvi.
N. griseus, p. 182, *angusticollis*, p. 186, Ontario, WALKER, Canad. Ent. xxxvi; *N. brevicaudus*, Colorado, BRUNER, p. 57, Bull. Exp. Stat. Colorado 94 : **n. spp.**
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Paranemobius schauinslandi, pl. xxxii, figg. 1–4, p. 567, ALFKEN, Zool. Jahrb. Syst. xix.
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LOCUSTIDÆ or TETTIGONIIDÆ.

[Cf. COCKERELL (290), GILLETTE (605), HANCOCK (655), HUTTON (729), KRAUSZE (843, 844), NAVÁS (975), REHN (1131, 1132, 1139), SCUDDER & COCKERELL (1267), TEPPER (1370), WALKER (1466).]
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Cyphoderris monstrosa, characters, natural history, var. n. *piperi*, CAUDELL, pp. 47–53, J. N. York Ent. Soc. xii.

Dichopetada brevicauda, New Mexico, pl. iv, fig. 1, p. 51, SCUDDER, P. Davenport Ac. ix, **n. sp.**

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Stenacris Walk. = (*Arnilia* Stål), REHN & HEBARD, p. 787, P. Ac. Philad. 1904.

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CORRIGENDA.

GEN. SUB., p. 46, Title 805, for "SOHOETENSACK" read "SCHOETENSACK."

INSECTA, p. 133, line 6 from bottom, for "*Annommatophilus*" read "*Anommatophilus.*"

" p. 145, line 4, for "*Blatrodromus*" read "*Blattodromus.*"

" p. 173, line 17 from bottom, for "*Centorrhynchus*" read "*Ceutorrhynchus.*"

" p. 217, line 11, for "*Sympheisole*" read "*Sympheidole.*"

" p. 231, line 2, for "*Pestasmicra*" read "*Pentasmicra.*"

END OF THE FORTY-FIRST VOLUME.

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XIII. INSECTA.

By D. Sharp.

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INTRODUCTION.

THE number of titles this year is 1669, contrasting with 1549 last year.

KELLOGG's Introduction to North American entomology (834) is the only work of very wide scope we have to notice this year. BLANCHARD's work (124) on mosquitoes is intended specially for those who are not general entomologists, and will be found very useful by medical officers and others who have to do with *Culicidæ*.

In the monograph of *Heliconiidæ* by STICHEL & RIFFARTH (1452) a most complicated nomenclature is introduced; the species are arranged in Sections and Cohorts, each one of which has a name. As the name has a plural termination we may presume that it cannot be considered as a subgenus and we have therefore not specially recorded these terms, they being merely substitutes—and it would appear of a superfluous nature—for the numerals and letters ordinarily used in the arrangement of species. Besides this a trinomial or a quadrinomial nomenclature is used for each of the species.

The second part of the late Prof. PACKARD's Bombycine moths (1131) calls for special notice: though ostensibly devoted to the *Ceratocampinæ*, it includes some introductory chapters containing much matter of great general interest; the wealth of illustration gives an additional charm to the work.

The first Volume of the butterflies of the Fauna of British India has appeared and is highly spoken of; BINGHAM (119). Another Volume of the British Museum Catalogue of *Lepidoptera* has appeared; HAMPSON (715). ALDRICH's catalogue of N. American *Diptera* (14) and BECKER & BEZZI's catalogue of Palaearctic flies are very valuable. LEWIS' catalogue of *Histeridæ* (951) shows that the described species have more than doubled in number since 1868, the date of the corresponding Volume of the Munich catalogue of *Coleoptera*.

M. THÉRY's work on Madagascar Buprestidæ describes many new species, and includes a discussion on the origin of the fauna of Madagascar. ENDERLEIN's (497) revision of two divisions of *Psocidæ* is another good contribution; and JOHANNSEN gives us an important work on N. American *Chironomidæ* (820). ESCHERICH's study of *Lepismatidæ* shows the extraordinary development of knowledge that has occurred in the past 30 years. LASS's paper on the flea (918) is of more general interest than its title would lead one to expect; besides its anatomical interest it also deals with metamorphosis and habits.

VERHOEFF (1539) has given us an important paper on the morphology of the head, based on a study of the lower orders.

VOSS's memoir (1555) on the thorax of *Gryllus* contains much matter of morphological importance concisely stated: it is lengthy but it touches on many points. He has a good phylogenetic table of the winged Insects: and promises a paper in which development is to be dealt with.

In anatomy HOFFMANN's study (753) of the mouth-parts of *Tomocerus*, and KULAGIN's (901) of *Culicidæ* are each valuable. The second of these memoirs is accompanied by some very thoughtful considerations as to a great polyphylism in Insects. WANDOLLECK (1565) contributes a study of the abdomen of the ♀ in *Coleoptera*; although not based on a very large number of examples, it is in other respects of considerable value. We have a summary of the structure and function of Malpighian tubes from VENEZIANI, together with new observations and elucidations (1536). SCOTT

gives (1371) a very interesting sketch of the tracheal system, including the anal structures, of a developing Libellulid dragon fly.

Of two papers on the sense organs, the one by RÖHLER (1288) deals with the subject in general, and contains much interesting matter, while that by SEILER (1375) discusses the Ocelli of *Ephemeridæ*. Both touch also on the question of function, though rather lightly. PHILLIPPS contributes a valuable paper on the compound eye (1164). POPOVICI-BAZNOŞANU (1211) has studied the structure of the dorsal vessel in *Chironomus* and a few other insects. RÁDL (1230) has an interesting discussion of the sense of hearing.

FABRE's new volume (533) is chiefly devoted to spiders, but it includes two short chapters on *Coccidæ*. BUTTEL-REEPEN has an article on Insect-sociology (224). We owe to DOFLEIN a most interesting account of the proceedings of *Œcophylla smaragdina*, the weaver-ant (436), while HUBER's account (791) of the mode of establishing a colony in the case of the leaf-cutting ants is quite fascinating. The origin of slavery in ants is discussed at length by WHEELER (1619) and WASMANN (1579, 1580). FERTON gives us some valuable notes on the habits of *Hymenoptera*; the case of parasitism in a *Pompilus* being of special interest (558). Some very interesting information as to the Natural History of a Singhalese species of *Termitidæ* is given by DOFLEIN (437). Dr GOELDI has published a very considerable contribution to the Natural History of Brazilian mosquitoes (672).

GROSS (699) has written on the ovaries of *Mallophaga* and *Anoplura*, and finds them to be extremely similar. He discusses the classification of these groups, and concludes that there is but little ground for placing *Anoplura* with *Hemiptera*.

BORDAGE has produced a very interesting treatise on autotomy and regeneration (135), and THIENEMANN (1491) makes an important contribution by his sketch of the biology of the pupa of *Trichoptera*, and accompanies it with a very complete bibliographic list.

SILVESTRI gives a preliminary account (1393) of an extraordinary case of germinogony, accompanied by larval dimorphism. HEYMONS (745) gives a brief sketch of the peculiar embryology of *Machilis*. Miss FIELDE (559) contributes a valuable set of observations on the progeny of virgin—chiefly worker—ants.

Miss STEVENS (1449) gives us a number of interesting observations as to the very earliest processes of ontogeny in those extraordinary creatures *Aphidæ*.

In Variation we have an important memoir from ENTEMAN on the colour and pattern of *Polistes* (518). PICTET has given the results of his experiments as to the variation produced by changing the food of Lepidopterous larvæ (1198). He experimented with 4 or 5000 individuals of 21 species of Swiss *Lepidoptera*. The part of his work relating to humidity is less conclusive.

The memoir by PETERSEN (1155) on the sexual organs, requires careful consideration from all Lepidopterists, as he is far from considering previous work exhaustive, and makes various suggestions having a very wide bearing. He also has a paper (1156) to exemplify his views as to the origin of species by physiological isolation, by the case of *Hadena adusta*; the variation of the male genitalia being illustrated by photographs.

JORDAN's work (822) should be read in conjunction with PETERSEN's; he discusses geographical and nongeographical variation. The two works emphasise the necessity of a thorough study of the variation of sexual organs, both writers apparently taking it for granted, that disparity in the copulatory organs prevents copulation. A hypothesis which is by no means established, though the assumption is far from new.

The most remarkable of the Economic work of the year, is the series produced as Report of the Hawaiian Sugar Planters' Association by

PERKINS (1149–1154) and others. They include a great deal of matter of interest to the Naturalist as well as to the Economist. Mr WASHBURN'S (1577) plan of devoting an annual Economic report to the insects of one Order will prove of value if completed, as it would soon provide a Manual of Economic entomology for the State, in place of the desultory repetitions that now abound in this department of Entomology. This system he says was inaugurated by his predecessor. The part published this year is a good brief guide to the study of *Diptera.*

SCHUCHERT & BUCKMAN (1353) have promulgated a system of nomenclature of types, which is unnecessarily complex, owing to their having confounded three categories, under the term type.

HANDLIRSCH has given us an interesting sketch of BRAUER'S scientific career (724).

The Recorder has nowhere met with a new entomological periodical in Bohemian called Casopis Ceské Společnosti entomologické. An account of its contents for the year 1905 is given in Zool. Zentrlbl. 1905, p. 809.

The question of "publication" is one that calls for serious consideration. Does the printing and selling of two or three copies constitute of itself publication? And if not, where is the line to be drawn between this and an authoritative list of recognised channels of communication between Zoologists? The number of doubtful publications is now so great that every Recorder would be glad to know that they are not to be encouraged, as he finds it impossible to get a sight of many such.

I. TITLES.*

1. ABEILLE DE PERRIN, E. DE. Description d'un *Trechus* (*Anophthalmus*) nouveau de France. Bull. Soc. ent. France 1905, p. 19. [*Coleoptera.*]

2. ——. Description d'un *Bythinus* nouveau de France. T. c. p. 42. [*Coleoptera.*]

3. ——. Descriptions de trois *Buprestides* méditerranéens nouveaux. T. c. pp. 207, 208. [*Coleoptera.*]

4. ——. Description d'un nouveau *Coléoptère* aveugle de France. T. c. p. 208.

5. ——. Notes biologiques sur *Siettitia balsetensis.* T. c. pp. 225–227. [*Coleoptera.*]

6. ADAMS, C. F. On the North American species of *Oscinis.* Ent. News Philad. xvi, pp. 108–111. [*Diptera.*]

7. ADAMSON, C. H. E. Catalogue of butterflies collected in Burmah by Lt.-Col. C. H. E. Adamson, C.I.E., up to the end of 1895 and presented by him to the Museum of the Natural History Society of Northumberland, Durham and Newcastle-upon-Tyne. Tr. Northumb. Soc. i, pp. 155–189. [*Lepidoptera.*]

8. ADELUNG, N. VON. Symbola nova ad cognitionem *Blattodeorum* (*Orthoptera*) Africæ orientalis. Annuaire Mus. St. Petersb. ix, pp. 417–489.

9. ——. Symbola ad cognitionem faunæ *Orthopterorum* Rossiæ. Op. cit. x, pp. i–v.

---

* An asterisk prefixed to a quotation indicates that the recorder has not seen the Journal or Work referred to.

10. [Adelung, N. v.]. [Review of] Verhoeff; zur vergleichenden Morphologie und Systematik der *Embiiden*, zugleich 3. Beitrag zur Kenntnis der Thorax der Insecten. Zool. Zentrlbl. 1905, pp. 580–585.

11. Adie, J. R. & Alcock, A. On the occurrence of *Anopheles* (*Myzomyia*) *listoni* in Calcutta. P. R. Soc. London 1905, pp. 319–321. [*Diptera.*]

12. Aigner-Abafi, L. v. Über *Aporia cratægi* L. Zeitschr. Insbiol. i, pp. 204–209. [*Lepidoptera.*]

13. ——. Die Tagfalter Ungarns. Rov. Lapok. 1905, pp. 4–12 etc. [*Lepidoptera.*]
Tables in Hungarian.

14. Aldrich, J. M. A catalogue of North American *Diptern* (or two-winged flies). No. 1444. Smithson. Collect. (pt. of Vol. xlvi), 680 pp.
Noticed Nature lxxii, p. 317. Reviews: by Melander, Ent. News Philad. xvi, pp. 241–243; by Brues, Science xxii, p. 176; by de Meijere, Zool. Zentrlbl. 1905, p. 755; by C. W. J., Psyche xii, pp. 77, 78.

15. ——. A contribution to the study of American *Dolichopodidæ*. Tr. Amer. ent. Soc. xxx, pp. 269–286. [*Diptera.*]

16. Alfken, J. D. Die von P. Knuth auf seiner 1898–99 unternommenen Reise nach Java, Japan und Kalifornien gesammelten *Lepidopteren* und *Hymenopteren* und die von diesen besuchten Pflanzen. Abh. Ver. Bremen xviii, pp. 132–138.

17. ——. Zur Kenntnis einiger nordwestdeutscher Bienen. T. c. pp. 69–76. [*Hymenoptera.*]

18. ——. Die Förstersche Monographie der Bienen-Gattung *Hylaeus* F. (Latr.) = *Prosopis* F. und die *Prosopis*-Sammlung Försters. T. c. pp. 108–124. [*Hymenoptera.*]

19. ——. Über einige Bienen-Arten Thomson's. T. c. pp. 125–128. [*Hymenoptera.*]

20. ——. Die Gruppe der *Andrena varians* K. T. c. pp. 129–131. [*Hymenoptera.*]

21. ——. Neue und wenig bekannte *Prosopis* Arten. Zeitschr. Hym. Dipt. v, pp. 91–95. [*Hymenoptera.*]

22. ——. *Melitta nigricans* n. sp., eine neue deutsche Biene. T. c. pp. 95, 96. [*Hymenoptera.*]

23. ——. Ueber einige afrikanische *Prosopis*-Arten. T. c. pp. 146–150. [*Hymenoptera.*]

24. André, E. *Mutillides* nouveaux ou peu connus de l'Ancien monde et de l'Australie. Zeitschr. Hym. Dipt. v, pp. 201–216, 265–277. [*Hymenoptera.*]

25. ——. Nouvelles espèces de *Mutillides* d'Amérique. T. c. pp. 361–376 (incomplete). [*Hymenoptera.*]

26. ——. Description d'un genre nouveau et le deux espèces nouvelles de fourmis d'Australie. Rev. Ent. franc. 1905, pp. 205–208. [*Hymenoptera.*]

27. ——. Diagnoses de deux espèces nouvelles de *Mutilles* du Transvaal. Bull. Soc. ent. France 1905, pp. 24, 25. [*Hymenoptera.*]

28. ——. Catalogue analytique et raisonné des *Lépidoptères* de Saone-et-Loire et des départements limitrophes. Deuxième partie. *Sphinges*, *Bombyces*. Bull. Soc. Autun xvii, pp. 177–267, pls. viii bis–xii.

29. ANNANDALE, N. The egg and early larval stages of a *Coreid* bug, probably *Dalader acuticosta* Amyot and Serv.; with a note on its *Hymenopterous* parasite. Tr. ent. Soc. London 1905, pp. 55–59, pl. viii.

30. ARROW, G. J. On some Oriental *Aphodiid Coleoptera* of the *Rhyparus* group, with description of a new genus. Ann. Nat. Hist. (7) xv, pp. 534–539.

31. ASHMEAD, W. H. Additions to the recorded *Hymenopterous* fauna of the Philippine Islands, with descriptions of new species. P. U. S. Mus. xxviii, No. 1413, pp. 957–971.

32. ——. New *Hymenoptera* from the Philippines. Op. cit. xxix, No. 1416, pp. 107–119.

33. ——. New genera and species of *Hymenoptera* from the Philippines. T. c. No. 1424 pp. 397–413.

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N.B.—The numbers in brackets refer to "Titles"; by their means it is intended to give a reference to every memoir containing a notice affecting the entomological fauna of each of the twelve regions here adopted. But synonymical notes and changes of systematic position are not included in these references. In addition to giving references to titles of works that actually add to the faunistic record of a region, there are also comprised references to a large number of works on local faunæ, or "stations." In such cases the reference is, as a rule, made direct to the original work, not to our title-numbers, many of these local faunistic notes not being included at all in our list of titles.

In this Faunistic division varieties are not included: neither is a new genus (unless it is also a n. sp.), nor synonymy. When no subordinate locality is mentioned in connection with a memoir, it is to be understood that it refers to several divisions of the region indicated by the immediate subheading.

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Canary Ids.: *Coleoptera*, SHARP (1385), *Criocephalus pinetorum*. *Lepidoptera*, HAMPSON (716) n. g. *Arctiidæ*. *Orthoptera*, BURR (219), *Forficula* n. sp.

St Helena: *Lepidoptera*, HAMPSON (715), *Hadeninæ* n. sp.

Galápagos: *Lepidoptera*, *Sericosema* n. sp., WARREN (1572).
Liou-Kiou Ids.: *Coleoptera*, BOILEAU (126) *Nigidius* n. sp.
Bonin Ids.: *Homoptera*, DISTANT (422), *Diceropyga* n. sp.
Hawaiian Ids.: *Hymenoptera*, PERKINS (1154), *Polynema* n. sp. *Lepidoptera*, HAMPSON (715), *Hadeninæ* n. sp. *Diptera*, PERKINS (1153), *Pipunculus*, 5 spp. *Orthoptera*, SWEZEY (1458), *Xiphidium* n. sp.
Marianne Ids.: *Hemiptera*, SCHOUTEDEN (1340), *Coleotichus* sp. n.
Caroline Ids.: *Hymenoptera*, FRIESE (602), *Megachile* sp. n.
Louisiade Arch.: *Coleoptera*, ARROW (30), *Rhyparus* sp. n.; LEWIS (954), *Platysoma* sp. n.
Woodlark Id., S. E. Island: *Coleoptera*, HELLER (736), *Pantorhytes*, 2 spp. n. *Lepidoptera*, HAMPSON (717), *Gyrtona* sp. n.; SWINHOE (1461), *Pidorus* n. sp.
Solomon Ids.: *Lepidoptera*, HAMPSON (716), *Asura*, 3 spp. n.; HAMPSON (717), *Stictoptera* n. sp., *Cacyparis* n. sp.; *Sphingidæ*, ROTHSCHILD (1304), *Macroglossum* sp. n.; *Zethes* sp. n., SWINHOE (1459); SWINHOE (1460), *Euchromia*, 3 spp. n; SWINHOE (1461), *Blenina* n. sp.; WARREN (1569), *Thyrididæ*, *Epiplemidæ*, *Geometridæ*, 10 spp. n.; *Geometridæ*, 18 spp. n., *Epiplema*, 7 spp. n., *Banisia* and *Striglina* sp. n., WARREN (1574). *Hemiptera*, BREDDIN (183), *Calliphara* n. sp. *Homoptera*, DISTANT (429), *Diceropyga* n. sp.
New Pomerania: *Lepidoptera*, SWINHOE (1460), *Euchromia* sp. n.
New Britain: *Coleoptera*, LEWIS (953), *Plæsius* n. sp. New Britain and Lifu: *Hemiptera*, KIRKALDY (856), 20 n. spp.
Bismarck Arch.: SZÉPLIGETI (1466), *Iphiaulax* sp. n. *Hemiptera*, *Tibicen* n. sp., KUHLGATZ (899). *Homoptera*, RÜBSAAMEN (1315), Galls, *Psyllidæ*, *Aphidæ*, *Coccidæ* n. sp. *Pyrgomorphidæ*, BOLÍVAR (130), *Desmoptera* sp. n.
Fiji Ids.: *Coleoptera*, PIC (1178), *Anthicus* n. sp. *Lepidoptera*, BETHUNE-BAKER (108), *Sphingidæ*, *Hepialidæ*, *Dasychira*, *Argyrothripa*, *Geometridæ*, *Locastra* spp. n.; HAMPSON (717), *Barasa* n. sp., *Carea* n. sp.
Loyalty Ids.: *Coleoptera*, PIC (1176), *Hylophilus* n. sp.
New Caledonia: *Coleoptera*, BOILEAU (126), *Syndesus* n. sp.; FAUVEL (550A). *Orthoptera*, BOLÍVAR (130), *Orthacrinæ*, 2 spp. n.
New Zealand: *Insecta*, HUDSON (792), Mount Holdsworth, list chiefly *Lep.* *Coleoptera*, BROUN (194), *Metaglymma*, 2 spp. n., *Cilibe* n. sp., *Curculion*. Auckland Ids. n. g. *Hymenoptera*, FOREL (590), *Formicidæ*, revised list, 19 spp. *Lepidoptera*, BULLER (217), brief list, 1 novelty; HAMPSON (715), *Hadeninæ* n. spp.; HAMPSON (716), *Morrisonia*, 2 spp. n.; HUDSON (793), *Chærocampa celerio*; HUDSON (794), 5 spp. n.; MEYRICK (1041), many spp. n.; PHILPOTT (1167), *Melanchra*, *Leucania*, *Xanthorhoe*. *Diptera*, BROUN (195), *Dacus* n. sp. *Coccidæ*, LEONARDI (936), *Mytilaspis* n. sp.
Falkland Ids.: *Diptera*, ENDERLEIN (505), *Limnobiidæ* n. g. *Psocidæ*, ENDERLEIN (507), *Philotarsus* n. sp.
Crozet Ids.: *Coleoptera*, ENDERLEIN (503), *Carabidæ*, 2 n. genn., *Trechini*. Crozet Ids. and Kerguelen: *Lepidoptera*, ENDERLEIN (506), *Tineinæ* g. n., 2 spp. n.

3. PALÆARCTIC REGION.

(a.) Collective: i.e. papers referring to more than one of the following sub-divisions, *c—h*.

China, with the exception of Mongolia, is included in "Asia," as is also Japan.

Coleoptera. Statistics of Koltze's coll. of palæarctic *Coleoptera*, Deutsche ent. Zeitschr. 1905, pp. 55, 56. Pp. 35–45 Munchen Kol. Zeitschr. iii

give localities for a very large number of species European *Coleoptera*, by numerous authors. BERNHAUER (102), *Staphylinidæ*, 18 spp. n. DU BUYSSON (226), Mantchuria, *Agriotes* n. sp. DESBROCHERS (399), *Magdalis*, revision. LAPOUGE (913), North Mongolia, *Carabus*, short list. LUZE (993), *Lathrimæum*, 4 spp. n. LUZE (994), *Acidota*, 3 spp. n. PETRI (1157), *Lixus*, table, 4 spp. n. PIC (1181), *Cerambycidæ* n. spp. PIC (1173), Persia, *Polyarthron*, *Leptura*, *Dorcadion* sp. n. PIC (1184), *Limnichus*, *Acmæodera*, *Stenosis*, *Abdera*, *Galerucella* sp. n., *Curculionidæ*, 5 spp. n. PIC (1187), numerous localities, various families, 21 spp. n. PIC (1191), Algeria, *Prionolixus* sp. n., W. Asia, *Desimia*, *Rhagonycha*, *Hymenalia*, *Tychius* sp. n. PIC (1195), Greece, Palestine, Turkestan, *Eriotomus*, *Dictyoptera*, *Rhagonycha*, *Anthicus*, *Cyclomias*, *Collimus* sp. n. REITTER (1244), *Tenebrionidæ* n. genn., n. spp. REITTER (1245), *Elateridæ*, tables, *Athouina*, 36 spp. n. REITTER (1248), *Epicauta*, table. REITTER (1249), 8 spp. n. REITTER (1254), 10 spp. n. REITTER (1256), *Bothynoderes*, 4 spp. n. SCHILSKY (1331), *Bruchidæ*, 4 spp. n. WAGNER (1556), S.E. Eur. and Caucasus, *Apion*, 2 spp. n. ZAITZEV (1649), East Siberia and Turkestan, *Hydroporus*, 2 spp. n. ZAITZEV (1650), Russian Empire, *Haliplidæ* and *Dytiscidæ*, localities.

Hymenoptera. FRIESE (611), Russian Empire, *Bombus*, 7 spp. n., *Psithyrus* sp. n. KIEFFER (840), *Proctotrypidæ*, general work, many n. spp. KOHL (874), Mediterranean and Irkutsk, *Crabro*, 5 spp. n. SZÉPLIGETI (1467), *Ichneumonidæ*, 14 spp. n. SZÉPLIGETI (1465), Spain, Hungary, *Ophioninæ*, 2 spp. n.

Lepidoptera. HAMPSON (715), catalogue of *Hadeninæ*, n. spp. PÜNGELER (1221), Centr. Asia, *Pseudohadena*, 2 spp. n., *Sesia*, 2 spp. n., Palestine, *Metopoceras* sp. n. Vladimar Bay, *Rhopalocera*, LANG, pp. 122–124, Entomologist 1905.

Diptera. BECKER & BEZZI (90), catalogue vol. iv. HERMANN (740), *Asilidæ*, 11 spp. n. Pekin, *Systropus*, see Asia.

Hemiptera. HORVÁTH (774), Hungary and Egypt, *Berytidæ*, 2 spp. n. HORVÁTH (775), *Ommatidiotus*, 4 spp. n. HORVÁTH (777), *Tingitidæ*, 17 spp. n.

Trichoptera. ULMER (1517), Centr. Asia and Amurland, 5 spp. n.

Thysanura. ESCHERICH (525), Sevastopol, Athens, Egypt, Tunis, Persia, Transcaspian, *Lepismatidæ* n. spp.

(b.) *Europe*, collectively.

Insecta. Introduced insects in Europe, their distribution, DICKEL (415).

Coleoptera. REITTER (1250), *Leistus*, 3 spp. n. REITTER (1255), Bosnia *Anophthalmus*, Caucasus *Rhinosimus*, Herzegowina *Rhizophagus* sp. n.

Hymenoptera. KONOW (883), *Tenthredinidæ*, 3 spp. n. MAYR (1017), France and Austria, *Decatoma*, 2 spp. n., Germany, *Perilampus* sp. n. SCHMIEDEKNECHT (1334), *Ichneumonidæ*, 40 spp. n.

Diptera. KRAMER (888), *Sarcophaga*, 2 spp. n.

Orthoptera. Synopsis of *Orth.* of W. Europe, continuation, BURR, Ent. Rec. xvii, pp. 10 etc.

(c.) *British Islands.*

THE FAUNA AS A WHOLE.

Coleoptera. *Triplax bicolor*, novelty, BAGNALL (52). *Malachius spinosus*, novelty, CHAMPION, Ent. Mag. 1905, p. 66; *M. spinosus*, novelty corrected, t. c. p. 88 to *M. vulneratus* Ab.; *M. vulneratus* in 1859, WATERHOUSE, p. 234, Ent. Mag. 1905. *Oxypoda sericea*, novelty,

DONISTHORPE, Ent. Rec. xvii, 67. *Dinarda hagensi*, novelty, DONISTHORPE, p. 181, Ent. Rec. xvii. *Hadrotoma nigripes*, novelty, ELLIS (490). *Dacne fowleri* sp. n., *Læmophlœus monilis*, *Melanophthalma distinguenda*, novelties, JOY (824). *Quedius variabilis*, novelty, NEWBERY (1098). *Criocephalus rusticus*, novelty, D. SHARP (1385). *Tetropium*, 2 spp. n., D. SHARP (1386). *Tetropium* [*crawshayi*] at Leighton Buzzard, CRAWSHAY, p. 223, Ent. Mag. 1905. *Amara anthobia*, novelty, W. E. SHARP (1389), and CRAWSHAY, Ent. Mag. 1905, pp. 159–161. *Silvanus mercator*, novelty, TOMLIN, p. 37, Ent. Mag. 1905; NEWBERY, t. c. p. 69.

Col. of the Eastern Counties, table, MORLEY (1068). *Omophlus betulæ* imported, JANSON, p. xxxi, P. ent. Soc. London 1905. Retrospect of a Coleopterist for 1904, Ent. Rec. xvii, pp. 29–34. *Coleoptera* in 1905, DONISTHORPE, Ent. Rec. xvii, pp. 291–293. Scrutiny of doubtful forms, NEWBERY, pp. 18–20, Ent. Rec. xvii; BEARE & DONISTHORPE, t. c. pp. 20–22, & 42–45. Myrmecophilous *Col.* in 1905, DONISTHORPE, p. 271, Ent. Rec. xvii. *Triplax*, tabulated, BEARE, pp. 176–178, Ent. Rec. 1905. *Phymatodes lividus* at Reading, BOUSKELL, p. 295, Ent. Rec. xvii. *Neoclytus erythrocephalus* in Lancashire, W. E. SHARP, p. 92, Ent. Mag. 1905. *Orchestes sparsus*, as British, NEWBERY, p. 116, Ent. Mag. 1905. *Anisotoma oblonga*, in Britain, CHAMPION, p. 198, Ent. Mag. 1905. *Baris* T-*album* and *pilistriata* ? two species, CHAMPION, p. 224, Ent. Mag. 1905. *Elater nigerrimus* vice *æthiops*, CHAMPION, p. 210, Ent. Mag. 1905.

Hymenoptera. KIEFFER (840), *Proctotrypidæ* numerous n. spp. *Tenthredinidæ*, 3 novelties, MORICE (1065). *Ichneumonidæ*, novelties, n. spp., MORLEY (1067).

Lepidoptera. *Agdistidæ* and *Alucitidæ*, list of British, TUTT (1512). Practical hints for the field, TUTT (1514). *Rhopalocera*, General work, TUTT (1510). General work, *Tortricidæ*, BARRETT (78). *Tortrix pronubana*, novelty, FLETCHER (579). *Argyresthia illuminatella*, novelty, MEYRICK, p. 226, Ent. Mag. 1905. *Arctornis* L-*nigrum* at Chelmsford, PROUT, p. 73, Ent. Rec. xvii.

Diptera. VERRALL's tables continued, novelties, n. spp., Ent. Mag. 1905, pp. 50 etc. Retrospect of a Dipterist for 1904, COLLIN, pp. 55, 56, Ent. Rec. xvii. *Erigone*, two novelties, AUSTEN (47A). *Culex waterhousei* n. sp., WATERHOUSE (1591). *Callimyia elegantula*, *Agathomyia borealla*, *Homalomyia difficilis*, *Palloptera lætabilis*, *Thryptocera frontalis*, novelties, WOOD, Ent. Mag. xli, p. 5. *Tachinidæ*, 9 novelties, and critical notes, WAINWRIGHT (1561). *Micropalpus* and other *Tachinidæ*, WAINWRIGHT, pp. 199–207, Ent. Mag. 1905. *Atrichosema aceris* n. sp., KIEFFER (844). *Hammerschmidtia ferruginea*, novelty, YERBURY, p. xlvii, P. ent. Soc. London 1905. *Anthomyia signata* in Scotland, SPEISER, p. 464, Zeitschr. Insbiol. i. GRIMSHAW, *Hydrotæa* (694). *Ulidia nigripennis*, novelty, WESCHÉ, p. 227, Ent. Mag. 1905.

Aphaniptera. ROTHSCHILD, *Ceratophyllus* n. sp. (1303). *Pulex cheopis*, novelty, ROTHSCHILD & GILES, p. 139, Ent. Mag. 1905.

Hemiptera. British waterbugs, contd., KIRKALDY, pp. 173—, pl. ii, Entomologist 1905. *Siphonophora* n. sp., THEOBALD (1485).

Odonata. Dragonfly season of 1904, LUCAS, pp. 178, 179, Entomologist 1905.

Orthoptera. List of British *Orthoptera*, LUCAS, pp. 21, 22, P. South London Ent. Soc. 1905. *Orthoptera* in 1904, LUCAS, pp. 266–268, Entomologist 1905. *Leucophæa surinamensis*, in Essex, Liverpool etc., HORRELL, p. 92, Entomologist 1905: SOPP, t. c. p. 111. *Phaneroptera quadripunctata* near Chester, GAHAN, p. li, P. ent. Soc. London 1905. *Acridium ægyptium*, LATTER, p. 47, Ent. Rec. xvii.

LOCAL LISTS.

The arrangement adopted in each Order is roughly, Channel Islands, England from South to North and from West to East, Wales, Scotland, Ireland.

Insecta. Guernsey and Alderney, LUFF, pp. 318–322, Rep. Guernsey Soc. 1904. Herm, LUFF (987), Jethon, LUFF (988). Severn Valley, *Col.* and *Lep.*, POTTS, pp. 39, 40, Rec. Caradoc Club, No. xiv. Marlborough, Catalogue of the district *Hymen.*, *Hemipt.*, *Neur.*, *Orthopt.*, Rep. Marlborough Soc. liii, pp. 86–98. Marlborough, MEYRICK, novelties etc. most of the Orders, Rep. Marlborough Soc. liii, pp. 67–81. Staffordshire, novelties, BOSTOCK, pp. 69–71, Rep. North Staffordsh. Club xxxix. EVANS, Upper Elf loch, Edinburgh (530). South Kerry, BOUSKELL, Tr. Leicester Soc. ix, pp. 39–47. Rosses Point, Sligo, JOHNSON, pp. 252–255, Irish Natural. 1905.

Coleoptera. Sidmouth, *Strangalia aurulenta*, ATTLEE, p. 69, Ent. Mag. 1905. Isle of Wight, DONISTHORPE, pp. 68–70, Ent. Rec. xvii. New Forest, short list, ANDREWS, pp. 71, 72, Ent. Mag. 1905. New Forest, *Dytiscidæ*, W. E. SHARP, p. 161, Entomologist 1905. New Forest, *Elater* spp. etc., WHITAKER, p. 235, Ent. Mag. 1905. New Forest, *Elater sanguinolentus*, WOOD, p. 280, Ent. Mag. 1905. New Forest, *Lymexylon*, CHAMPION, p. 179, Ent. Mag. 1905. New Forest, list, *Tropideres sepicola*, WEST, Ent. Rec. xvii, p. 68. New Forest, *Orchestes sparsus*, DONISTHORPE, Ent. Mag. 1905, p. 20. Sussex, *Quedius nigrocœruleus*, DOLLMAN, Ent. Rec. xvii, p. 17. Hastings, BOUSKELL, pp. 82, 83, Tr. Leicester Soc. ix. Ditchling, DOLLMAN, Ent. Rec. xvii, p. 183. Sheppey, *Læmosthenes* etc., WALKER, p. 234, Ent. Mag. 1905. Chatham, *Amara anthobia*, BEARE, p. 117, Ent. Mag. 1905. Woolwich, *Gnorimus nobilis*, BEDWELL, p. 159, Ent. Mag. 1905. Surrey, *Pselaphus dresdensis*, BRYANT, p. 159, Ent. Mag. 1905. S. W. Surrey, *Carabus intricatus* etc., CROFT, p. 93, Entomologist 1905. S. W. Surrey, CROFT, p. 26, Entomologist 1905. Woking, *Acrognathus*, CHAMPION, p. 161, Ent. Mag. 1905. Esher, *Tetropium*, BRYANT, p. 69, Ent. Mag. 1905. Ealing, *Deleaster*, DOLLMAN, p. 156, Ent. Rec. xvii. Enfield, *Hylotrupes*, POOL, p. 133, Ent. Rec. xvii. Enfield, *Symbiotes*, DONISTHORPE, p. 18, Ent. Rec. xvii. Hainhault Forest, *Gnorimus nobilis*, COLE, p. 73, Essex Natural. xiv. Hertfordshire novelties, GIBBS, p. 137, Entomologist 1905. Hertfordshire, *Col.* new to the fauna, GIBBS, p. 156, Tr. Hertfordshire Soc. xii :—*Col.* observed in 1904, ELLIMAN, t. c. p. 168. Tring, *Apion annulipes* etc., ELLIMAN, p. 20, Ent. Mag. 1905. Leighton Buzzard, *Harpalus discoideus*, *Metoecus paradoxus*, CRAWSHAY, pp. 45, 46, Ent. Mag. 1905. Berkshire, JOY, p. 209, Ent. Mag. 1905. Reading, *H. honestus*, HOLLAND, p. 257, Ent. Mag. 1905. Streatley, Berks, *Rhizotropus ochraceus*, JOY, p. 16, Ent. Mag. 1905. Oxford, WALKER, pp. 180–183, Ent. Mag. 1905. Oxford, *A. astragali*, HOLLAND, p. 257, Ent. Mag. 1905. Oxford, *Medon castaneus*, WALKER, p. 138, Ent. Mag. 1905. Warwick, Victoria history, ELLIS, cf. Ent. Rec. xvii, pp. 165, 166. Upton-on-Severn, *Ceuth. viduatus*, TOMLIN, p. 235, Ent. Mag. 1905. Herefordshire, *Gnorimus nobilis*, TOMLIN, p. 235, Ent. Mag. 1905. Colchester, *Tropideres sepicola*, HARWOOD, p. 262, Ent. Mag. 1905. Market Bosworth, *Tetropium* etc., DONISTHORPE, p. 18, Ent. Rec. xvii. Leicester, BARROW, pp. 81, 82, Tr. Leicester Soc. ix. Suffolk, *Apion brunnipes*, BEDWELL, p. 256, Ent. Mag. 1905. Norfolk: on *Bagous lutosus*, Gyll., in Norfolk with some collateral matter, EDWARDS, pp. 102–106, and MORLEY, pp. 106, 107, Tr. Norfolk Soc. viii. Norfolk Broads, aquatic *Col.* collections, BROWNE (196). Sherwood, *Q. xanthopus*, TAYLOR, p. 80, Ent. Mag. 1905. Peterborough, *Osphya*, CRUTTWELL, p. 209, Ent. Mag. 1905. Skegness, Lincs., *Anisotoma furva*, MORSE, p. 93, Ent. Mag. 1905. North Staffordshire, preliminary list,

JAHN, pp. 73–90, Rep. North Staffordsh. Club xxxix. Southport, *Amara anthobia*, TAYLOR, p. 257, Ent. Mag. 1905. Isle of Man, *Aphodius* list, BAILEY, pp. 90, 91, Ent. Mag. 1905. Isle of Man, *Meligethes obscurus*, BAILEY, p. 21, Ent. Mag. 1905. Isle of Man, *Rhopalomesites*, BAILEY, pp. 207–209, Ent. Mag. Isle of Man, novelties, TOMLIN, pp. 251–254, Ent. Mag. 1905. Isle of Man, TOMLIN, pp. 45–49, Rep. 29, Lancash. Chesh. ent. Soc. Teesdale, *Leptusa analis* etc., BAGNALL, p. 258, Ent. Mag. 1095. Derwent Valley, *Nitidulidæ*, BAGNALL, p. 162, Ent. Mag. 1905. Sunderland, *Chrysom. hobsoni*, BAGNALL, p. 70, Ent Rec. xvii. Durham, *Lathridius angulatus*, BAGNALL, p. 157, Ent Rec. xvii. Durham, *Rhizophagus cœruleipennis*, BAGNALL, p. 156, Ent. Rec. xvii. Northumberland and Durham additions, BAGNALL (51). Cumberland, novelties, DAY, pp. 16, 17, Ent. Rec. xvii. Penrith, *Phytobius muricatus*, DAY, p. 20, Ent. Mag. 1905. N. Wales, *Atemeles* and *Claviger*, TOMLIN, p. 20, Ent. Mag. 1905. Peebles, BLACK, Ent. Rec. xvii, p. 70. Rannoch, *Trichius*, BEARE, pp. 18, 19, Ent. Mag. 1905. Argyllshire, *Cionus tuberculosus*, GRIMSHAW, Ann. Scott. Nat. Hist. 1905, p. 56. Edinburgh, *Grammoptera*, PATTERSON, Ann. Scott. Nat. Hist. 1905, p. 185. Forres, *Gyrophæna pulchella*, CHITTY, p. 92, Ent. Mag. 1905. Sutherland and Inverness-shires, CRUTTWELL, pp. 209, 210, Ent. Mag. 1905. Flannan islds. (W. of Lewis), BEARE, p. 19, Ent. Mag. 1905. Flannan islds., BEARE (87). Lough Neagh and Portrush, list, BEARE, pp. 30, 31, Irish Natural. 1905.

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Psocidae. Woking, SAUNDERS, p. 213, Ent. Mag. 1905.

Odonata. Edinburgh area, EVANS (528).

Orthoptera. Essex, *Leucophæa surinamensis*, HORRELL, p. 365, Essex Natural. xiii. Lancashire and Cheshire, SOPP (1427).

(d.) *North Europe* and *Siberia* [see also (a.) and (b.)].

Insecta. LIE-PETTERSEN (956), West Norway, list. SCHNEIDER (1337), Sydherø, list, *Col.*, *Hym.*, *Lep.* MJÖBERG (1049), Fårön, account of insect-fauna. Finland, novelties and n. spp. *Col.*, *Hym.*, *Dipt.*, *Trichopt.* Lists in Medd. Soc. Faun. Fenn. xxx, pp. 211–216. SHURAWSKY (1390), Petschora, Tundra, travel.

Coleoptera. MÜNSTER & STRAND (1080), Norway, novelties, long list. MJÖBERG (1051), Sweden, 4 novelties. VARENIUS, Sweden, *Phlœobium clypeatum*, Ent. Tidskr. xxvi, p. 160; *Phyllobius viridiæris*, t. c. p. 247. LEINBERG (934), Finland, *Episernus* n. sp. REITTER (1251) Altai, *Proteinus* sp. n.

Hymenoptera. ROMAN (1289), Alpine Lapland, *Ichneumonidæ*. AURIVILLIUS (43), Swedish *Hymenoptera*, general work, *Vespidæ–Scoliidæ*. NORDENSTRÖM (1109), Sweden, *Ichneumonidæ* list, *Lathrolestus* sp. n.

Lepidoptera. SCHNEIDER (1336), Tromso. STRAND (1453), Norway, new localities and n. varr. LAMPA, Gothland, *Rhopalocera*, Ent. Tidskr. xxvi, p. 192.

Diptera. WAHLGREN (1559), Swedish *Diptera*, general work, pt. i. WAHLGREN (1560), Sweden, *Tipulidæ*, 4 spp. n.

Hemiptera. STRAND, Bidrag til det sydlige Norges Hemipterfauna, Arch. Naturv. Christian. xxvii, No. 3, 9 pp. MJÖBERG (1050), Sweden, *Hydrometra gracilenta.*

Trichoptera. MORTON (1074), Finland, *Leptocerus* n. sp.

Perlidæ. KLAPÁLEK (865), Siberia, *Dictyopteryx* n. sp.

Thysanoptera. REUTER (1260), Finland, hot-house, n. g.

Collembola. AXELSON (49), Finland *Collembola*, 8 spp. n.

(e.) *Central* and *Eastern Europe*, incl. *Denmark* [see also (a.) and (b.) and for *France* (f.), for *Caucasus* (h.)].

Insecta. Poland, bibliography, local faunistic papers, Bull. Ac. Cracovie 1905, pp. 389–397. Etrembières, Fauna, FREY-GESSNER, pp. 97–99, Mt. Schweiz. ent. Ges. xi. HUBER (790), Montigglersee Tyrol, aquatic larvæ. HOFFER, Mt. Ver. Steiermark xli, p. lxiv, *Procerus*, *Ascalaphus*, *Mantispa.* KLAPÁLEK (868), Transsylvanian Alps, with *Synagapetus*, *Hemerobius*, *Panorpa*, *Capnia* n. sp.

Coleoptera. FUCHS (625), Centr. Eur., *Hylesinus* n. sp. EVERTS, Driebergen, list, Ent. Ber. ii, pp. 27, 28. EVERTS (531), Netherlands, novelties. SCRIBA (1372), Alsatia, *Haliplus* n. sp. GERHARDT, Silesia, novelties, Deutsche ent. Zeitschr. 1905, p. 223. VORBRINGER, E. Prussia, list, Deutsche ent. Zeitschr. 1905, pp. 303, 304. WEISE (1601), Germany, Switzerland, Tyrol, *Tetropium* n. sp. HORMUZAKI, Soc. ent. xx, pp. 1, 2, & 10–12, Bukowina and Galicia, list. LUZE (992), Tyrol, *Olophrum* n. sp. LEWIS (954), Roumania, *Plegaderus* n. sp. GANGLBAUER (637), Salzkammergut, *Trechus* n. sp. CSIKI, Rov. Lapok 1905, pp. 177–179, Hungary, novelties to fauna. SCHULTZE (1357), Hungary, etc. *Ceuthorrhynchidius* sp. n. CSIKI (380), Hungary, general work. CSIKI, *Cerambycidæ* of Hungary continued, Rov. Lapok 1905, pp. 14–16 etc. CSIKI (378), Hungary, *Anophthalmus*, *Acmæodera*, *Melanophila* spp. n. ZILAHI, Szilágy, Hungary, list, Rov. Lapok 1905, pp. 16–18 etc., etc. CSIKI, additions to Hungarian fauna, Rov. Lapok 1905, pp. 119, 120. FORMANEK (593), Styria, *Brahysomus* sp. n. Styria, *Stenini*, PENECKE, Mt. Ver. Steiermark xli, pp. lxxvi–lxxx. FLECK, Roumania, Catalogue continued, Bull. Soc. Bucarest xliv, pp. 158–203, 491–570. ZAITZEV (1651), Novgorod, Catalogue.

Hymenoptera. BRAUNS (179), n. g. *Phygadeuonini.* KIEFFER (842), Luxemburg, myrmecophilous *Hymenoptera*, 11 spp. n. VAN ROSSUM (1296), Netherlands, *Tenthredinidæ*, novelties. ALFKEN (22), Germany, *Melitta* n. sp. BRAUNS (177), Bremen, *Delomerista* sp. n. PFANKUCH (1163), Bremen, *Ichneumonidæ*, 1 sp. n. BRAUNS (178), Germany, *Lampronota*, 2 spp. n. HEYDEN (742), Frankfurt a.-M., novelties and rarities. KLAPÁLEK (867), Bohemia, *Bombus* and *Psithyrus.* *Hymenoptera*, Helvetiæ, pp. 213–276, published in connection with Mt. Schweiz. ent. Ges. xi. Berne, short list, STECK, p. 89, Mt. Schweiz. ent. Ges. xi. MOCSÁRY (1055), Budapest, *Rhyssa* and *Megarhyssa* sp. n. VANGEL, Hungary, pp. 143 etc., Rov. Lapok 1905, list.

Lepidoptera. BRANTS (171), Netherlands, *Rhopalocera.* SNELLEN (1423), Netherlands, novelties, new localities etc. HAVERKAMPF, Ann. Soc. ent. Belgique 1905, pp. 91–98, Belgium, novelties and interesting forms. SIBILLE, Ann. Soc. ent. Belgique 1905, p. 113, Belgium, *Plusia interrogationis.* SIBILLE, t. c. p. 191, Belgium, *Chariptera viridana*, novelty. CROMBRUGGHE (376), Belgium, *Microlepidoptera*, numerous novelties. GATNAR, Beitrag zur *Lepidopteren*fauna von Lemberg, Jahresber. Wien. ent. Ver. 1905, pp. 39–50. SCHÜTZE (1366),

Germany, *Nepticula* n. sp. IHLE & LANGE (802), Germany, *Macrolepidoptera*, illustrated work. The *Lep.* of Berlin, DADD, pp. 200–212, 226, 227, Entomologist 1905. SORHAGEN (1428), Hamburg, *Ornix* sp. n. FUCHS (624), Rhine, *Larentia* n. sp. REICHENAU (1243), Wiesbaden, catalogue of *Noctuidæ* and *Geometridæ*. MÖBIUS (1053), Saxony, *Macrolep.*, annotated Catalogue pt. i. SCHUSTER, Mainz, short list, Zool. Garten xlvi, p. 374. SPEISER (1433), W. Prussia, *Sphingidæ*. GILLMER, Mecklenburg, *Erebia æthiops*, Arch. Ver. Mecklenb. lviii, p. 165. GILLMER (660), Schwerin, *Rhopalocera* and *Sphingidæ*, annotated list. DZIĘDZIELEWICZA (485), Halicia and Silesia, *Coniopterygidæ*. Switzerland, *Rhopalocera*, WHEELER, pp. 193–199, Ent. Rec. xvii. DE ROUGEMONT, Switzerland, *Eupithecia*, novelties, Arch. Sci. Nat. xix, pp. 290, 292. PÜNGELER (1224), Switzerland, *Tephroclystia* n. sp. ROUGEMONT (1311), Switzerland, novelties. ROUGEMONT (1310), Jura, Catalogue. FAVRE, Supplément à la faune des *Macrolépidoptères* du Valais, Mt. Schweiz. ent. Ges. viii, pp. 145–148. ROUGEMONT (1312), Vallée de Tourtemagne, list. BAZZIGHER, L. Vierter Nachtrag zum Verzeichniss der *Lepidopteren* Graubündens, Jahresber. Ges. Graubund. xlvii, pp. 133–148. Switzerland, MUSCHAMP, pp. 57–61, Ent. Rec. xvii. DEMAISON, Bull. Soc. ent. France 1905, p. 255, Lake Lucerne, *Caradrina exigua*. Saas Valley, TUTT, pp. 174–179, Ent. Rec. xvii. Geneva, excursion, TUTT, pp. 129–132, 143, 144, Ent. Rec. xvii. TUTT (1511), Val d'Hérens, *Rhopalocera*. WAGNER, Verh. Ges. Wien 1905, p. 167, Austria, *Satyrus amalthea*, novelty. GALVAGNI, Verh. Ges. Wien 1905, Austria, novelties. REBEL, Verh. Ges. Wien 1905, p. 28, Austria, 2 novelties. REBEL, Verh. Ges. Wien 1905, pp. 272, 273, Austria, novelties. SATORY, Verh. Ver. Brunn xlii, pp. 3, 4, Brunn, *Geometridæ*, 5 novelties. METZGER, Nachtrag iii zur *Lepiaopteren*-Fauna von Friesach in Kärnten, Jahresber. Wien. ent. Ver. 1904, pp. 105, 106. Styria, *Scoparia*, MEIXNER, pp. lxxxvii, lxxxviii, Mt. Ver. Steiermark xli. Beitrag zur Lepidopteren-Fauna der Steiermark; 2 Fortsetzung, TROST, Mt. Ver. Steiermark xli, pp. 108–118. REBEL, *Lepidopteren* aus dem Gebiete des Triglav und der Crna Prst in Krain, Jahresber. Wien. ent. Ver. 1905, pp. 53–73. AIGNER-ABAFI (13), Hungary, *Rhopalocera* tables. AIGNER-ABAFI, Rov. Lapok 1905, p. 162, Hungary, additions in 1904. AIGNER, Hungary, novelties, Allatt. Kozl. Magyar Tars. iv, p. 107. ULBRICH, Rov. Lapok 1905, pp. 133–135, *Rhopalocera*, Budapest. VANGEL (1530), Hungary, Catalogue with localities. CARADJA, A. VON, neuer Beitrag zur Lepidopterenfauna Rumäniens, Bull. Soc. Bucarest xiv, pp. 227–243. ZAITZEV (1651), Novgorod, *Macrolep.* MARKOFF (1008), Poltawa, *Macrolep.* list. Kharkow, *Lithocolletis populifolia* etc., MOKRZECKI, Trudui Kharkov. Univ. xxxvi (2), pp. 81–87.

Diptera. KRAMER (889), Centr. Eur., *Sarcophaga*, 4 spp. n. MEUNIER, Anvers, long list, Ann. Soc. Bruxelles xxix, pp. 284–290. MEUNIER, Bruxelles, list, Ann. Soc. Bruxelles xxix, pp. 291–294. KIEFFER (845), Bitche, xylophilous *Cecid.*, 21 n. spp. SPEISER (1438), Prussia, Ergänzungen zu Czwalina. SPEISER (1432), W. Prussia, *Tabanidæ*, novelties. ENDERLEIN (515), Berlin, n. g. *Bibionidæ*. LICHTWARDT (955), Dürrenberg, saline species.

Hemiptera. FOKKEN (585), Netherlands, *Tingis*, 2 novelties. BIERMAN, Arnhem, *Homoptera*, list, Ent. Ber. Nederland. ii, pp. 28–32. HÜEBER (795), Germany, *Hydrocorisæ*, monograph.

Anoplura. GALLI-VALERIO (635), Switzerland, *Polyplax* on *Arvicola*.

Neuroptera. ENDERLEIN (514), Berlin, n. g. *Coniopterygidæ*.

Perlidæ. RIS (1270), Switzerland, n. g. *Perlidæ*.

Odonata. GEISSLER (648), Bremen, Catalogue. Bavaria, list, GEEST, pp. 254–256, Zeitschr. Insbiol. i. Dragon-fly hunting in Eastern

Switzerland, MORTON, pp. 1–4, 33–36, Ent. Mag. 1905. HRABÁR, Hungary, Counties of Ung and Ugoesa, Rov. Lapok 1905, pp. 101–103. VANGEL, Rov. Lapok 1905, pp. 12–14, *Odonata* of Hungary. BRAUNER (172), Crimea, *Odonata*, list.

Orthoptera. HAURY & NICKERL (729), Bohemia, Catalogue. WERNER, Pittental, Sebenstein, Jahresber. Wien. ent. Ver. 1905, pp. 25–31. COBELLI, Verh. Ges. Wien 1905, pp. 367, 368, Trentino, 3 novelties. ADELUNG (9), Russia, list.

Collembola. KRAUSBAUER (891), Weilburg a. Lahn, work on *Collembola*, 10 spp. n.

(f.) *France* [see also (a.), (b.) and (g.)].

Insecta. CLERMONT, Bull. Soc. ent. France 1905, pp. 130–132, Liste de *Coléoptères* et d'*Orthoptères* capturés à Luchon et au port de Vénasque.

Coleoptera. The Fauna as a whole.—DESBROCHERS (398), France and Corsica, *Anchomenidæ*.—BUYSSON (228A), *Elateridæ*, continuation.—Table of *Cetoniidæ* of France, LE COMTE (933).—PIC, pp. 119, 120, 135, 136, 143, 152, 160, Echange xxi, additions since 1900.—COULON, list of French *Col.* in Museum at Elboeuf completed, Bull. Soc. Elbeuf xxiii, suppl. pp. 17–60.—ESTIOT, *Semanotus* and *Cœnoptera*, Bull. Soc. ent. France 1905, p. 124.—GUÉDEL (708), Alpine *Col.*—ABEILLE (1), *Anophthalmus* sp. n.—ABEILLE (2), Ariège, *Bythinus* n. sp.—ABEILLE (4), Nice, *Bathyscia* n. sp.—BOURGEOIS (153), Aude, *Malthodes* sp. n.—CHOBAUT (312), *Euphonus pallidus*, novelty.—CHOBAUT (309), *Hydroporus guernei*; MOLLANDIN DE BOISSY, Bouches-du-Rhône, *Hydroporus guernei*, p. 296, Bull. Soc. ent. France 1905.—DEVILLE (408), Gavarnie, *Harpalus* sg. n.—DEVILLE (409), Basses Pyrénées, *Bathyscia* n. sp.—PIC (1191), Aigues-Mortes, *Cryptocephalus* n. sp.—SIETTI, *Aphodius suarius*, novelty, p. 80, Bull. Soc. ent. France 1905.

Coleoptera. Local lists.—FAUCONNET & VITURAT (543), Saone-et-Loire, Catalogue, *Necrophaga*. PÉNEAU (1144), Estuary of the Loire, list. DEVILLE, Bull. Soc. ent. France 1905, p. 231, Basses Pyrénées, cavern. MAYET (1016), Montpellier, *Lucasianus levaillanti*. CLERMONT, Echange xxi, pp. 125, 134, 135, 140, 141, Gers, *Carabidæ*, list. BEDEL, Bull. Soc. ent. France 1905, p. 176, Itteville, Seine-et-Oise, list. CLERMONT, *Anthicus venator*, novelty, Bull. Soc. ent. France 1905, p. 206. PIC, Echange xxi, p. 118, Charix near Bourg, short list. CHABANAUD, Indre-et-Loire, *Anillus*, Bull. Soc. ent. France 1905, p. 129. CARRET, Echange xxi, passim "Souvenirs entomologiques," Haute-Maurienne. PÉNEAU, Nantes, *Mecynotarsus serricornis*, Bull. Soc. Ouest France v, p. xiii. PÉNEAU, Nantes, short list, Bull. Soc. Ouest France v, p. iv. PIC, Saône-et-Loire, novelties, Bull. Soc. Autun xvii, pp. 128–131. XAMBEU, Pyrénées orientales, faune continued, Echange, pp. 67–98, special pag. PIERRE, Pirot, Bourbonnais novelties, p. 219, Rev. Sci. Bourbonnais 1905. HOULBERT & BÉTIS (784), Faune armoricaine, *Meloidæ*; HOULBERT & MONNOT, *Cicindelidæ*, *Carabidæ* (785, 786). JEANNEL (818), Pyrénées, Cavern of Camon. DUFOUR (466), Auvergne, halophilous *Col.* PIC (1195), Bourg-Madame, *Ebœus mendax*.

Hymenoptera. KIEFFER (683), *Timaspis*, *Lœwiola* n. sp.

Lepidoptera. ANDRÉ (28), Saône-et-Loire, *Sphinges*, *Bombyces*, analytical table and catalogue. CHRÉTIEN (319), S. France, n. g. *Tineidæ*. SPRÖNGERTS (1440), Monte Albères, list. Pyrenees, *Rhopalocera*, ROWLAND-BROWN, pp. 243–249, 273–277, Entomologist 1905. TURATI (1508), Pyrenees, *Augiades* n. sp. Pyrenees, 2 novelties, RONDOU, p. xliii, Pr.-verb. Soc. Bordeaux lx. PIC, Echange xxi, pp. 134, Charolais, *Sphingidæ*, 6 spp.

Diptera. PANDELLÉ (1132), *Cheilosia*, species tabulated. VILLENEUVE

(1551), *Tabanidæ*, additions and corrections. PORTEVIN, Normandy, Catalogue continued, Feuille Natural. xxxv, p. 40. OLIVIER, Faune de l'Allier, *Pupipares*, Rev. Sci. Bourbonnais 1905, pp. 77–81. VILLENEUVE (1552), Alps list.

Hemiptera. REUTER (1262), *Capsidæ* sp. n. REUTER, Bull. Soc. ent. France 1905, pp. 61–64, *Phinodera*, novelty. CHOPARD, Bull. Soc. ent. France 1905, p. 130, Fontainebleau, *Pinthœus.* PUTON, Maine-et-Loire, *Odontotarsus grammicus*, Bull. Soc. Angers xxxiv, p. 107. PÉNEAU, Loire inf., 5 novelties, Bull. Soc. Ouest France iv, p. xx. PÉNEAU, Loire-inférieure, short list, Bull. Soc. Ouest France v, p. xii. ABOT, Bull. Soc. Angers xxxiv, p. 37, *Coptosoma scutellatum.* ABOT, Angers, *Lasiocoris anomalus*, Bull. Soc. Angers xxxiv, p. 39. GUERIN (709), Alps, list.

Odonata. GADEAU (631), Normandy list, 36 spp.

Orthoptera. LESNE, Bull. Soc. ent. France 1905, p. 258, *Apterygida arachidis.* VUILLEMIN, East France, *Mantis*, Feuille Natural. xxxv, p. 57.

(g.) *Southern Europe* and *Mediterranean Basin* [see also (a.), (b.) and (f.) and for Caucasus and Transcaucasus (h.)].

Insecta. CHAMPION & CHAPMAN (300), Spain, *Col.*, *Lep.*, *Hemipt.*, lists. NAVÁS (1085), Spain, *Machilis*, *Lepismina*, *Chrysopa*, *Rhithrogena* n. sp. Annuar. Ac. Porto 1898–9, pp. 122–140, Catalogue of specimens in Coll. at Porto, *Hemiptera*, *Hymenoptera* : op. cit. 1899–1900, *Orthoptera* and various, pp. 107–122. FRIEDERICHS (599), Riviera in spring. SILVESTRI (1400), Elba and Pianosa, *Lepism.*, *Leucotermes*, *Embia.* PANDIANI (1134), Val Aosta, 76 novelties.

Coleoptera. Dendarus serripes, *Olocrates planiusculus*, *Pachychile pedinoides*, *punctata*, *glabra*, are not European but N. African ; VON HEYDEN, p. 154, Wien. ent. Zeit. xxiv. REITTER (1246), Spain, *Ablattaria* and *Trichobyrrhulus* sp. n. *Escalera* (523), Spain, *Asida*, revision, 17 spp. n. NOBRE (1103), Catalogue of Coll. at Porto. BEDEL (91), N. Africa, novelties, *Bradybatus* n. sp. DU BUYSSON (228), N. Africa, *Elateridæ*, 3 spp. n. FAUVEL (549), N. Africa, *Staphylinidæ*, 3 spp. n. BEDEL (92), Marocco, *Crypticus*, *Omophlus* sp. n. BOURGEOIS (156), Marocco, *Lycus* n. sp. ABEILLE (3), Bucharest, La Granja, Algeria, *Buprestidæ*, 3 spp. n. BOURGEOIS (154), Algeria, *Rhagonycha* n. sp. BUYSSON (227), Algeria, *Silesis* n. sp. CHOBAUT (310), Algeria, *Tetropiopsis* n. sp. DEVILLE (410), Algeria, *Hydræna*, 3 spp. n. MOLLANDIN (1056), Algeria, *Copris* n. sp. PEYERIMHOFF (1160), Algeria, *Acidota*, *Cylindropsis* sp. n. PEYERIMHOFF (1161), Algeria, *Tychus*, *Catops* n. sp. PIC (1174), Algeria, *Dasycerus*, 2 spp. n. PIC (1178), Algeria, *Anthicus* sp. n. PIC (1189), Algeria, 12 spp. n., *Hydræna*, *Elmis*, *Malacoderm.*, *Curc.*, *Chrysom.* PIC (1190), Algeria, *Cebrio*, *Attalus*, *Sibinia*, *Cathormiocerus*, *Trachyphlœus* n. sp. PIC, Algeria, 3 spp., Akbès, *Amorphocephalus*, Bull. Soc. ent. France 1905, p. 280. DE CHAIGNON, Tunis brief list, Bull. Soc. Autun xvii, pp. 207–209. MJÖBERG (1048), Egypt and White Nile, *Carabidæ*, 6 spp. n. White Nile and Egypt, see Jägerskiöld exp. No. 10*a*, FAUVEL, *Staphylinidæ*, p. 5, GROUVELLE, *Colydiidæ*, *Cucujidæ*, p. 5, BRENSKE etc., *Scarabæidæ*, p. 6, *Buprestidæ*, KERREMANS, p. 8, *Elateridæ*, FLEUTIAUX, p. 9, SCHENKLING, *Cleridæ*, p. 11, *Bostrychidæ*, LESNE, p. 11, *Cantharidæ*, AURIVILLIUS, p. 15, *Cerambycidæ*, AURIVILLIUS, p. 17. MÜLLER (1078), Istria, 4 subspp. n. cavernicolous *Col.* BERTOLINI, Catologo dei *Coleotteri* d'Italia, Siena, 1899–1904, 11,856 forms ; cf. Riv. Col. ital. ii, pp. 104. CIAMPI (320), Rome, suppl. to Catalogue. FIORI (563), Rome (*Xenonychus rotundatus* n. sp.), but

= *Saprinus conjungens.* FIORI (564), Italy, *Bembidion*, *Pterostichus*, *Amara*, *Acalles* n. sp. FIORI (565), Italy, *Haliplus* n. sp. FIORI (567), Italy, *Alophus* n. sp. FIORI (568), Italy, *Psilothrix* n. sp. FIORI (569), Bologna, *Cybocephalus*, *Limonius* sp. n. FIORI (570), Italy, *Malthodes* n. sp. FLACH (574), Calabria, *Troglorhynchus* sp. n. HOLDHAUS & WAGNER (754), Tuscany, *Bythinus*, *Pselaphus*, *Cephennium*, *Apion* n. spp. LUIGIONI (990), Italy, additions to Catalogue. PIC, Informazioni bibliografiche e note complimentari su diversi *Coleotteri* d'Italia, Riv. Col. ital. i, pp. 50–52. PORTA (1212), Italy, *Abax* and *Percus*, revision. PORTA (1213), Italy, *Atheta* n. sp. PORTA (1214), *Staphylinidæ* of Italy, pt. 2. RAGUSA, Sicily, novelties, Natural. Sicil. xvii, pp. 288–292, and xviii, p. 24, pp. 69–72. VITALE (1554), Sicily, *Phyllobius*, *Microlarinus*, *Mylacus*, *Cathormiocerus*, *Larinus* n. sp. VITALE, Sicily, *Coccinellidæ*, Natural. Sicil. xvii, pp. 193–200, 219–229.

VITALE, Messina, Natural. Sicil. xvii, pp. 129, 165, and xviii, pp. 53–69, 73–86. VITALE, Messina, list continued, Boll. Natural. xxv, pp. 38–41, 74–77, 81, 82, 106–108. LE COMTE (932), Malta, *Cetonia* n. sp.

REITTER (1257), Cyprus, Eubœa, *Reichenbachia*, 2 spp. n. REITTER (1247), Cyprus, *Stenichnus* n. sp. Island of Pelagosa, NETUSCHILL, pp. lxxxviii–xciii Mt. Ver. Steiermark xli. FORMÁNEK (594), Dalmatia, *Ptochus* sp. n. PIC (1190), Morea, *Anaglyptus* sp. n. PIC (1191), Morea, *Danacæa* n. sp. CARRET (282), Syria, *Gynandromorphus* subg. n. PIC (1192), Syria, *Ludius*, Morea, *Ludius*, Crete, *Drilus*, Portugal, *Ptinus* sp. n. PIC (1194), Taurus, *Phyllocerus* n. sp. REITTER (1253), Akbès, *Pilemia* sp. n.

Hymenoptera. CAMERON (254), Gibraltar, *Philomides* sp. n. DUSMET (468), Revision of *Apidæ* of Spain, pt. 1, *Melecta*, *Crocisa*, *Epeolus*. FRIESE (607), Andalusia, *Panurgus* n. sp. GARCÍA (642), Escorial, *Mutilla*, 2 n. spp. KONOW (886), Spain, *Amasis* n. sp. ALFKEN (18), N. Med. region, *Prosopis* n. sp. GARCÍA MERCET (641), Tangier, *Gorytes*, *Bembex* sp. n. GARCÍA MERCET (640), Tangier, *Bembex*, 2 spp. n. SAUNDERS (1321), Algeria, *Diploptera*, 10 spp. n. SCHULZ (1359), Algeria, Tunis, *Cerceris*, *Pterochilus*, *Philanthus* spp. n. FOREL (591), Tunis, *Formicidæ*, 2 spp. n. FERTON (558), Corsica, *Apidæ*, 2 spp. n., *Tachysphex* sp. n. ZAVATTARI (1668), Elba and Pianosa, list.

ANDRÉ (24), Egypt, *Mutilla*, *Apterogyna* n. sp. ASHMEAD (35), Portici, *Pezomachus* n. sp. Italy, *Apidæ*, list, PAGANETTI-HUMMLER, pp. 13–16, Zeitschr. Insbiol. i. COBELLI, Verh. Ges. Wien 1905, pp. 596–599, Trentino 68 novelties. ALFKEN (21), Dalmatia, *Prosopis* n. sp. GRAEFFE (685), Trieste and Morea, *Cynips*, 2 spp. n.

Lepidoptera. CHAPMAN (302), N. Spain, *Erebia* n. sp. CHRÉTIEN (318), Spain, *Coleophora* n. sp. VÁZQUEZ (1535), Spain, *Heliophobus*, *Boarmia*, *Enconista*, *Cybolomia* n. sp. HIRSCHKE (751), Murcia, *Amphipyra* n. sp. AUSTAUT (44), Atlas, *Satyrus* n. sp. Mogador, *Syntomis alicia*, VAUCHER, p. 13, Feuille Natural. xxxvi. BLACHIER (122), Marocco, *Chrysophanus*, *Cœnonympha*, *Zygæna*, *Calophasia* sp. n.

MEADE-WALDO (1022), Marocco, journey and list. Barcelona, Vernet, *Rhopalocera*, STANDEN, pp. 250–254, 277–280, 299–301. CHRÉTIEN (316), S. France, n. g. *Tineidæ*. S. France, Corsica, *Rhopalocera*, ROSA, pp. 49–52, Entomologist 1905. HAMPSON (716), Algeria, *Phryganopsis*, *Timora* sp. n. PÜNGELER (1223), *Sesia* n. sp.

THIERRY-MIEG (1493), Algeria, *Tephrina* n. sp. TURATI (1508), Algeria, *Parascotia* n. sp. WALSINGHAM (1564), Algeria, *Tineidæ* spp. n. BLACHIER (121), Tunis, *Calophasia*, *Cleophana* sp. n. COSTANTINI, Modena and Reggia, novelties, Riv. ital. Sci. Nat. xxv, pp. 15, 61. KRÜGER, Sicily, novelties and *Euchloë damone*, Natural. Sicil. xviii, p. 49. ROSTAGNO (1297), Rome, *Pieris ergane*. ROSTAGNO (1298), Italy, General work, introduction. STEFANELLI, p. 184. Bull. Soc.

ent. Ital. xxxvi, Italy, novelties. TURATI (1508), Italy, *Acidalia*, 2 spp. n. VÉRITY (1540), Florence, *Orgya* sp. n. VÉRITY (1541), Lucca, annotated list. Island of Capri, suppl. list, BROWNE, p. 82, Entomologist 1905. RAGUSA (1231), Sicily, Catalogue. KRONE (896), Fiume, *Stagmatophora* n. sp. FLETCHER, Malta, list completed, Entomologist 1905, pp. 18–20. Egypt, GRAVES, pp. 147–150, Ent. Rec. xvii. Beyrout, GRAVES, pp. 56, 57, 121–124, Ent. Rec. xvii. HABICH (711), Haifa, *Pseudophia* sp. n.

Diptera. KIEFFER (844), gall-dwelling Cecids. n. genn., n. spp. RICARDO (1266), N. Africa etc., *Tabanidæ*, 1 sp. n. BILLET (118), Algeria, *Anopheles chaudoyei*, distribution. SERGENT (1382), Algeria, *Grabhamia* n. sp. THEOBALD (1477), Tunis, *Culicidæ*, 4 spp. n. BEZZI (113), S. France, Italy, S. Hungary, *Clinocera* spp. n. NOÉ (1105), Rome, *Chironomidæ* n. g. KIEFFER & TROTTER (849), Avellino, *Cecidomy.*, 2 spp. n. TROTTER (1503), Italy, *Janetiella* sp. n. STROBL (1455), Balkan penins., *Tipulidæ*, *Strat.*, *Bombyl.*, *Emp.*, *Asil.*, *Scenop.*, *Lept.*, *Syrph.*, *Conop.*, *Tachin.*, *Acalyptr.* spp. n.

Hemiptera. HORVÁTH (779), Spain, *Heter.* and *Homopt.*, 7 spp. n. REUTER (300), Spain, 2 spp. n. DEL GUERCIO (392), Firenze, *Sipha* n. sp.

Coccidæ. MARCHAL (1005), Algeria, 3 spp. n. LINDINGER (966), Corsica, *Leucaspis* n. sp.

Trichoptera. ULMER (1518), Algeria, *Triænodes* n. sp.

Neuroptera s. l. Calatrava, list, NAVÁS, p. 502, Bol. Soc. espan. v. S. France and Spain, LUCAS, pp. 296, 297, Entomologist 1905.

Psocidæ. RIBAGA (1264), Florence, *Stenotroctes* n. sp. ENDERLEIN (497), N. Africa, *Lepinotus* n. sp., *Pachytroctes* n. g.

Embiidæ. RIMSKY-KORSAKOW (1267), Villefranche-sur-mer, *Embia* sp. n.

Odonata. MORTON (1073), Algeria, *Ischnura* n. sp.

Orthoptera. Valladolid, list, GUTIÉRREZ, Bol. Soc. espan. v, pp. 140–143. BOLÍVAR (132), Tangier, *Racocleis* n. sp. BOLÍVAR (133), Mogador, *Gryllomorpha* n. sp. WERNER (1615), Egypt and Tunis, *Eremiaphila*, 3 spp. n. MEI (1023), Friuli, list. PAOLI, Rome, *Acridiidæ*, 3 additions, Boll. Soc. zool. Ital. xiv, pp. 283, 284. KRAUSS (892), Montenegro, list, *Forfic.* sp. n.

Thysanura. *Japyx*, Madrid, NAVÁS, p. 483, Bol. Soc. espan. v. SILVESTRI (1397), Molfetta, n. g. *Campodeidæ*.

Collembola. CARL & LEBEDINSKY (277), Crimea, n. g.

(h.) *Caucasus* and *West* and *Central Asia*, including *Arabia* [see also (a.) and (b.)]: for Tibet see 6, for Mediterranean Asia see (g.).

Coleoptera. FAIRMAIRE (536), Aresch, *Prionus* n. sp. REITTER (1251), Araxes Valley, *Proteinus* sp. n. CARRET (283), Mesopotamia, *Bembidium* n. sp. MAINDRON (1001), Mesopotamia, Arabia, *Glycia* sp. n. PIC (1179), Bagdad, *Adoretus* n. sp. KERREMANS (835), Persia, *Julodis* n. sp. NONFRIED (1108), Persian Kurdistan, *Dorcus* n. sp. PIC (1193), W. Asia, *Anoxia*, *Rhagonycha*, *Cteniopus*, *Strophomorphus* and n. g. near *Mylæus* n. sp. REITTER (1252), Transcaspian, *Dromius* sp. n. PIC (1170), Transcaspian, *Anthicus* n. sp. REITTER (1246), Transcaspian, *Throscus*, *Gonocephalum*, *Agapanthia*, *Stylosomus* sp. n. SUMAKOW, Transcaspian region, *Pinophilus* and *Mesostenus*, Wien. ent. Zeit. xxiv, p. 28. PIC (1190), Arabia, *Adoretus* n. sp., Tokat, *Dorcadion* sp. n. CAMERON (237), Perim, *Ocladius* n. sp. FAUVEL (546), Perim, *Staphylinidæ* n. sp.

Hymenoptera. KONOW (886), Asia Minor, *Amasis* n. sp. ZAVATTARI (1669), Syria, list. KONOW (884), Turkestan, Teheran, *Tenthredinidæ*, 3 spp. n. ASHMEAD (38), Russian Turkestan, *Mymaridæ*, 2 spp. n. KOHL (877), Socotra and S. Arabia, summary of collection.

Lepidoptera. DZIURZYŃSKI (486), Armenia, *Zygæna* sp. n. DZIURZYŃSKI (487), Caucasus, *Zygæna* n. sp. PÜNGELER (1222), Aksu, *Mamestra* n. sp.

Diptera. SPEISER (1437), Red Sea, *Pseudolfersia* sp. n. PATTON (1140), Aden, *Culicidæ*, 5 spp. n.

Hemiptera. DISTANT (427), Aden, n. g. *Cicadidæ*. DISTANT (426), Socotra, *Cicadidæ* n. sp.

Coccidæ. LINDINGER (966), Persia, *Leucaspis* n. sp.

Orthoptera. KUTHY (908), Centr. Asia, *Acridiidæ*, 4 spp. n. BURR (219), Sokotra, *Forficulidæ*, 2 spp. n.

4. AFRICA (TROPICAL & SOUTH). For North Africa see 3 (g.): for Comoro and Aldabra Ids. see 5. Socotra, see 3 (h.).

Insecta. SJÖSTEDT (1403), Cameroons, list of insects found, pp. 22–86. AUSTEN (45), Uganda, short list.

Coleoptera. AURIVILLIUS (41), White Nile and Khartum, *Bagous* and *Baris* sp. n. BERNHAUER (103), *Bledius* n. sp. BOURGEOIS (150), Spanish Guinea, *Malacodermidæ*, 6 spp. n. BRAEM (170), Congo, *Fornasinius* n. sp. CLAVAREAU (322), Congo, *Megalopides*, 2 spp. n. DISTANT (421), Natal, *Cerambycidæ*, 3 spp. n. ESCALERA (524), Rio de Oro, *Eulipus* n. sp. FAUVEL (546), *Staphylinidæ* spp. n. FAUVEL (550), *Staphylinidæ*, 10 spp. n. FAUVEL, Rev. Ent. franc. 1905, p. 148, Erythrea, *Staphylinidæ*, short list. GEBIEN (646), White Nile, *Adesmia* n. sp. GESTRO (649), Erythræa, *Hispidæ* sp. n. GORHAM (676), S. Africa, *Cleridæ*, 4 spp. n., *Melyridæ*, 6 spp. n., *Œdiarthrus* sp. n. GROUVELLE (703), W. Africa, *Cautomus* n. sp. HAGEDORN (714), E. Africa, *Scolytoplatypus* sp. n. HARTMANN (726), *Niphades*, 2 spp. n. HARTMANN (727), W. Africa, *Megarhinus* n. sp. HEATH (730), W. Africa, *Cerambycidæ*, 3 spp. n. HEATH (731), Angola, *Cicindelidæ*, *Cerambycidæ* sp. n. HINTZ (750), *Cleridæ*, 17 spp. n. HINTZ, Fernando Po, *Cleridæ*, short list, Deutsche ent. Zeitschr. 1905, p. 314. HORN (764), E. Africa, *Cicindela*, 2 spp. n. HORN (766), Cameroons, *Cicindelidæ*, short list. HORN (771), E. Africa, *Odontochila* and *Cicindela* sp. n. KERREMANS (835), *Buprestidæ*, 5 spp. n. KOLBE (879), *Dynastidæ* n. genn., 6 n. spp. LESNE (940), *Bostrychidæ*, 3 spp. n. LESNE (945), Spanish Guinea, *Bostrychidæ*, annotated list. LÉVEILLÉ (948), *Trogositidæ*, 3 spp. n. LEWIS (952), Trop. Africa, *Histeridæ*, 3 spp. n. LEWIS (953), Angola, *Macrolister* n. sp. LEWIS (954), Abyssinia, *Paratropus* n. sp. MAINDRON (1001), Erythræa, *Carabidæ*, 4 spp. n. MARSHALL (1010), S. Africa, *Cossonus*, 6 spp. n. MOSER (1076), Africa trop., *Cetoniidæ*, 4 spp. n. OBST (1114), E. Africa, *Buprestidæ*, 4 spp. n. OHAUS (1119), Omdurman, *Adoretus* n. sp. OLIVIER (1121), White Nile and Abyssinia, *Luciola* n. sp. OLIVIER (1123), Pretoria and Gaboon, *Luciola*, 2 spp. n. D'ORBIGNY (1124), *Onthophagus*, many spp. n. PIC (1172), *Formicomus*, 2 spp. n. PIC (1176), *Hylophilus*, 3 spp. n. PIC (1180), E. Africa, *Zygia* n. sp. PIC (1183), Timbuctoo, *Schizonycha* n. sp. PIC (1187), Obock, *Zygia* n. sp. PIC (1196), Spanish Guinea, *Xylophilidæ*, 10 spp. n. RÉGIMBART (1234), Erythrea, *Dytiscidæ*, *Hydrophilidæ* spp. n. REITTER (1244), *Opatrini* spp. n. RITSEMA (1274), Cameroons, *Helota* n. sp.; Africa, *Helota*, 2 spp. n., id. (1276). ROUSSEAU (1313), Africa trop., *Dyschirius*, *Atractonota*, *Eudema* n. sp. SCHAUFUSS (1328), *Scolytidæ*, 5 spp. n. SCHULZ (1359), Zanzibar,

Eumenes, W. Africa, *Pompilus* sp. n. SCHWARZ (1370), *Elateridæ*, 18 spp. n. SPAETH (1430), *Cassididæ*, 8 spp. n. WASMANN (1585), Cameroons, termitophilous *Staph.* n. g. WATERHOUSE (1589), E. Africa, *Lucanidæ* sp. n., *Cetoniidæ*, 2 spp. n. WEISE (1596), White Nile, *Clytra* n. sp. WEISE (1597), *Chrysomelidæ* and *Coccinellidæ*, 20 spp. n. WEISE (1598), Yola and Cameroons, *Chrysomelidæ*, 3 spp. n. WEISE (1603), Erythrea, *Exochomus* sp. n. WEISE (1604), Natal, *Chilocorus* n. sp. WEISE (1612), Rhodesia, *Chrysomelidæ*, 4 spp. n., *Solanophila* sp. n. ZANG (1667), E. Africa, *Didymus* n. sp. White Nile, see also 3 (g.) under Jagerskiöld exp.

Hymenoptera. ALFKEN (21), Abyssinia, *Prosopis* n. sp. ALFKEN (23), Cape Colony, *Prosopis* n. sp. ANDRÉ (24), *Mutilla*, 3 spp. n. ANDRÉ (27), Transvaal, *Mutilla*, 2 spp. n. BRAUNS (173), S. Africa, *Masaridæ*, 7 spp. n. BRAUNS (174), Cape Colony, *Fidelia* n. sp. BRAUNS (175), Cape Colony, *Serapis* n. sp. BUYSSON (232), Congo, *Polistes*, 2 spp. n. CAMERON (239), Cape Town, *Cynipidæ* subfam. n. CAMERON (244), Transvaal, *Odynerus*, *Tachytes* sp. n. CAMERON (246), Natal, *Pseudagenia* sp. n. CAMERON (247), Cape Colony, *Gasteruption* sp. n. CAMERON (248), Cape, *Hemitelini* n. g. CAMERON (249), Cape n. g. *Braconidæ*. CAMERON (255), S. Africa, *Chalcididæ*, 3 spp. n. CAMERON (256), Cape Colony, *Chirotica* n. sp. CAMERON (258), S. Africa, *Ichneumonidæ*, 6 spp. n., *Phænocarpa* sp. n. CAMERON (259), Cape, Colony, *Eurytomini*, 2 spp. n. CAMERON (260), Natal, n. g. *Joppini*. CAMERON (261), S. Africa, *Apidæ*, *Diploptera*, *Fossoria*, *Ichneum.*, *Bracon.*, *Evan.*, *Proctotryp.*, 79 spp. n. CAMERON (262), Cape Colony, *Fossoria*, 6 spp. n., *Crocisa* sp. n., *Ichneumonidæ*, 4 spp. n., *Chalcididæ*, 5 spp. n. CAMERON (263), Cape Colony, *Odynerus* 2 spp. n., *Fossoria*, 10 spp. n., *Bethylinæ* n. g., *Iphiaulax* n. sp., *Ichneumonidæ*, 7 spp. n. CAMERON (264), Cape Colony, *Halictus* and *Sphecodes*, 5 spp. n., *Odynerus*, 3 spp. n., *Fossoria*, 8 spp. n., *Ichneumonidæ*, 2 spp. n., *Eupelmini* n. g. EMERY (493), *Formicidæ*, 6 spp. n. EMERY (495), Cameroons, *Dorylus*, 2 spp. n. ENDERLEIN (498), Mombasa and S. Africa, *Gastrotheca*, 2 spp. n. ENDERLEIN (500), W. Africa, *Stephanidæ* sp. n. ENDERLEIN (502), E. Africa, *Evania* sp. n. ENDERLEIN (510), Africa, *Braconidæ* n. g., 6 spp. n. FOREL (586), South Angola, *Formicidæ*, 8 spp. n. FOREL (591), Congo, n. g. near *Tapinoma*. FOREL (592), p. 13, Natal, *Strumigenys* n. sp. FRIESE (600), *Apidæ* spp. n. FRIESE (603), *Tetralonia*, 8 spp. n. FRIESE & BRAUNS (604), *Anthidium*, 8 spp. n. FRIESE (606), *Anthophora*, 22 spp. n. FRIESE (608), *Crocisa*, 4 spp. n. FRIESE (609), S. Africa and Old Calabar, *Ceratina*, 17 spp. n. GARCÍA (639), Rio de Oro, *Bembex* sp. n. KIEFFER (841), Trop. Africa, *Proctotrypidæ*, 3 spp. n. KOHL (874), Abyssinia, *Belomicrus* sp. n. KOHL (875), Algoa Bay, *Passalœcus* n. sp. MAYR (1017), S. Africa, n. g. *Perilampides*. SZÉPLIGETI (1465), Trop. Africa, *Ophionidæ*, 3 spp. n. SZÉPLIGETI (1466), *Iphiaulax*, 12 spp. n., *Cremnops* sp. n., *Braunsia* sp. n. SZÉPLIGETI (1468), Cameroons, *Braconidæ*, 12 spp. n.

Lepidoptera. AURIVILLIUS (40), *Lasiocampidæ*, 17 spp. n. AURIVILLIUS (41), W. Africa, *Rhopalocera*, *Sesiidæ*, *Bombyces* spp. n. BARTEL (84), *Rhopalocera*, 15 spp. n. BETHUNE-BAKER (112), Kikuyu escarpment, *Lycænidæ*, 3 spp. n. DRUCE (456), Rhodesia, *Euphædra* sp. n. DRUCE & DRUCE (457), Rhodesia, *Rhopalocera*, 11 spp. n. HAMPSON (715), *Hadeninæ* n. genn., n. spp. HAMPSON (716), *Syntomidæ*, *Arctiidæ*, spp. n., *Agaristidæ* n. g. HAMPSON (717), *Noctuidæ* n. spp. HAMPSON (718), Uganda, n. g. *Pterophoridæ*. HEYN (746), Quango, *Pieris* n. sp. HOLLAND (755), Sierra Leone, *Noctuidæ* n. g. JUNOD (825), Delagoa, annotated list, *Pyrgus* n. sp., *Monda* n. sp. KHEIL (839), Spanish Guinea, list, *Liptena* sp. n. ROTHSCHILD & JORDAN (1306), N. E. Africa, *Rhopalocera* subspp. n. and *Papilio* sp. n. THIERRY-MIEG (1493),

Mozambique, *Problepsis*, *Scardamia* and *Acidalia* sp. n. WARREN (1570), *Geometridæ*, 15 spp. n. WARREN (1573), *Geometridæ* about 50 spp. n., *Epiplema*, 3 spp. n., *Banisia* sp. n. WARREN & ROTHSCHILD (1576), Sudan, 23 spp. n., *Bombyces*, *Noctuidæ*, *Geometr.*, *Pyral.*, *Tin.* WEEKS (1594), Congo, *Colias* n. sp.

Diptera. AUSTEN (45), *Glossina*, distribution. AUSTEN (47), *Glossina palpalis*, distribution. DÖNITZ (448), E. Africa, *Cordylobia* n. sp. GILES (654), Zululand, *Culicidæ* n. sp. GRÜNBERG (705), W. Africa, *Culicidæ*, 6 spp. n. LAVERAN (922), French Guinea, *Culicidæ*, list. NEVEU-LEMAIRE (1096), Harar, *Stegomyia* n. sp. NEVEU-LEMAIRE (1097), Centr. Africa, *Nyssorhynchus* n. sp. SPEISER (1437), S. Africa, *Lipoptena* sp. n. THEOBALD (1478), S. Africa, *Culicidæ*, 6 spp. n. THEOBALD (1479), W. Africa, *Ficalbia* sp. n. THEOBALD (1482), W. Africa, *Culicidæ*, 4 spp. n. THEOBALD (1483), Transvaal, *Stegomyia* n. sp. WELLMAN, Bihé, Angola, J. trop. Medicine viii, p. 319.

Aphaniptera. ROTHSCHILD (1301), 4 spp. n.

Hemiptera. BERGROTH (98), Congo, *Katanga*, *Tribelocephala*, *Henicocephalus* sp. n. BERGROTH & SCHOUTEDEN (100), Congo, *Heteroptera*, 13 spp. n. BREDDIN (182), Cameroons, *Platymicrus*, E. Africa, *Tragelaphodes* sp. n. BREDDIN (184), E. Africa, n. g. *Acanthosomini.* DISTANT (426), *Cicadidæ*, 4 spp. n. DISTANT (427), *Cicadidæ*, 3 spp. n. DISTANT (428), *Cicadidæ*, 8 spp. n. DISTANT (429), *Cicadidæ* n. spp., *Pyrops* n. sp. DISTANT (430), *Platypleura*, 3 spp. n. DISTANT (431), *Cicadidæ*, 5 spp. n. DISTANT (433), Cape Town, *Oxycarenus* sp. n. DISTANT (435), S. Africa, *Lygæidæ*, 3 spp. n. *Tingididæ*, 14 spp. n., *Hydrometridæ* sp. n. KIRKALDY (858), Bouake, n. g. *Tettigoniidæ.* MELICHAR (1029), E. Africa, *Fulgoridæ*, 16 spp. n., *Cercopidæ*, 3 spp. n., *Scaridæ*, 2 spp. n., *Membracidæ*, 5 spp. n., *Jassidæ*, 15 spp. n. MELICHAR (1030), *Fulgoridæ* n. g. SCHMIDT (1332), *Ricaniidæ*, 3 spp. n. SCHMIDT (1333), *Fulgoridæ*, 7 spp. n. SCHOUTEDEN (1341), Eritrea, *Pentat.*, 2 spp. n. SCHOUTEDEN (1342), Abyssinia, *Pentatomidæ*, 2 spp. n. SCHOUTEDEN (1343), Usambara, *Garsauria* sp. n. SCHOUTEDEN (1344), Congo, n. g. *Graphosomini.* SCHOUTEDEN (1347), *Pentatomidæ*, 3 spp. n. VARELA (1532), Cameroons, *Reduviidæ*, 4 spp. n.

Anoplura. SPEISER (1435), Abyssinia, n. sp.

Trichoptera. ULMER (1517), W. Africa, 3 n. spp. ULMER (1518), Congo, 4 spp. n. ULMER (1518A), Congo, *Dipseudopsis* n. sp.

Neuroptera. WEELE, VAN DER (1595), Liberia, *Ancylopteryx* n. sp.

Psocidæ. ENDERLEIN (497), Cameroons, n. g.

Termitidæ. DESNEUX (401), Sao Thomé isld., *Termes* n. sp. SJÖSTEDT (1404), *Termitidæ*, 9 spp. n.

Odonata. KIRBY (851), Mashonaland, list with 2 spp. n.

Thysanura. ESCHERICH (525), *Lepismatidæ*, S. Africa, 11 spp. n., Congo, 1 sp. n.

Orthoptera. ADELUNG (8), E. Africa, *Blattidæ*, 13 spp. BOLIVAR (127), *Acridiidæ*, 23 spp. n. BURR (219), *Opisthocosmia* sp. n. KIRBY (853), W. Africa, *Palophus* sp. n. REHN (1237), W. Africa, *Anisolabis* n. sp., *Labidura riparia.*

5. MADAGASCAR, including ALDABRA ISLDS., etc.

Insecta. MEUNIER (1040), *Diptera* and *Chalcididæ* in Madagascar copal.

Coleoptera. BEGUIN-BILLECOCQ (93), *Apion* n. sp. BEGUIN-BILLECOCQ (94), Madag. and Mauritius, Mayotte, *Apion*, 33 spp. n. BERNHAUER (103), *Oxypodinus* n. sp. FAIRMAIRE (534), 60 n. spp. FAUVEL (547), *Staphylinidæ* n. spp. FLEUTIAUX (581), Comoro islds., *Sternotomis* sp. n. GROUVELLE (704), *Læmophlæus* n. sp. HORN

(771), *Pogonostoma*, *Odontochila* n. sp. LAMEERE (910), *Hoploderes*, 4 spp. n. LEWIS (954), *Histeridæ*, 2 spp. n. LEWIS (953), *Histeridæ*, 2 spp. n. NONFRIED (1107), *Prosopocœlus* n. sp. PIC (1175), *Petalium* n. sp. SCHAUFUSS (1328), *Scolytoplatypus*, *Xyleborus* spp. n. SCHWARZ (1370), *Elateridæ*, 8 spp. n. SPAETH (1430), *Cassididæ*, 4 spp. n. THÉRY (1488), *Buprestides*, general work, many spp. n. WEISE (1610), Mauritius, *Brontispa* n. sp.

Hymenoptera. ANDRÉ (24), *Mutilla*, 2 spp. n. BUYSSON (232), *Polistes*, 2 spp. n. FOREL (591), *Formicidæ*, 2 spp. n. KIEFFER (841), Madagasc. *Proctotryp.*, 5 spp. n., Réunion, 1 sp. n.

Lepidoptera. BASTELBERGER (81), *Gullaca* n. sp. HAMPSON (715), Seychelles and Mauritius, *Hadeninæ* n. sp. HAMPSON (717), Madag. and Mauritius, *Noctuidæ* n. spp.

Diptera. VENTRILLON (1537), *Culex*, *Stegomyia* sp. n. VENTRILLON (1538), *Culicidæ*, 4 spp. n.

Hemiptera. BERGROTH (98), *Pentatom.* 2 genn. n., *Cletomorpha*, *Lyæidæ* n. g., *Lethæus* n. sp., *Reduv.* n. g., *Henicocephalus*, 2 spp. n. BREDDIN (180), n. g. *Henicocephalidæ*. DISTANT (426), *Cicadidæ*, 3 n. spp. DISTANT (427), Mauritius, *Stagira* n. sp. DISTANT (431), *Cicadidæ*, 7 sp. n., Seychelles, 1 sp. n. SCHMIDT (1333), *Lichena* n. sp. SCHOUTEDEN (1346), Madagascar, *Catacanthus* sp. n., *Nezara* sp. n., Mauritius, *Nezara* sp. n. SCHOUTEDEN (1347), *Pentatomidæ*, 5 spp. n. VARELA (1533), *Margasus*, 4 spp. n.

Trichoptera. ULMER (1517), 4 spp. n. ULMER (1518A), 2 spp. n. BOLÍVAR (130), Mad. & Nossibé, *Atractomorphinæ* and *Orthacrinæ* spp. n. BURR (220), *Chætospania* n. sp.

Thysanura. ESCHERICH (525), gen. n.

6. TROPICAL and EASTERN ASIA, incl. JAPAN and TIBET.

For outskirts see also 3 (a.), (g.), (h.). Arabia, see 3 (h.).

Insecta. ALFKEN (16), Japan, *Hym.*, *Lep.* and flowers visited. KIEFFER (846), Bengal, Gall insects, 20 spp. n. NAVÁS (1084), Japan *Ascalaphus*, China n. g. *Hemerob.*, Himalaya *Scyllina*, *Mantispa*, *Glenurus* n. sp.

Coleoptera. ARROW (30), Malay penins., *Aphodiid.*, 2 spp. n. BOILEAU (126), India, Formosa, *Lucanidæ*, 3 spp. n. BOURGEOIS (152), Ceylon, *Malacod.*, 7 spp. n., *Atractocerus* sp. BOURGEOIS (157), Bengal, *Lycidæ*, 4 spp. n. DESNEUX (400), India, *Ceratoderus* n. sp. FAIRMAIRE (537), Kouitcheou, n. g. *Cetoniidæ*. FAUVEL (546), India etc., *Staphylinidæ* spp. n. FLEUTIAUX (580), India, *Elateridæ*, 8 spp. n. HORN (763), India and Ceylon, *Cicindelidæ*, 2 spp. n. HORN (767), S. India, *Derocrania* sp. n. HORN (770), Ceylon, Travancore, Siam, *Collyris*, 3 spp. n. HORN (771), Assam, *Therates* n. sp. JACOBY (810), Malay penins., *Chrysomelidæ*, 10 spp. n. LAPOUGE (914), Japan, *Carabus*, short list. LÉVEILLÉ (947), Tonkin, *Acrops*, India, *Ancyrona* spp. n. LÉVEILLÉ (948), China, *Alindria* sp. n. LEWIS (953), Trop. Asia, India etc., *Histeridæ*, 4 spp. n. LEWIS (954), India, *Platysoma* sp. n., Yunnan, *Hister* sp. n. MAINDRON & FLEUTIAUX (1002), S. India, *Cicindelidæ*, list. MOSER (1076), Assam, *Trichius* n. sp. NONFRIED (1108), S. W. China, *Prismognathus* n. sp. NÜSIMA (1110), Japan, *Scolytus*, 3 spp. n. OHAUS (1115), Tonkin, India, *Rutelides*, 17 spp. n. OLIVIER (1123), Pondichery, *Luciola* n. sp. PIC (1177), Shanghai, *Macratria* n. sp. PIC (1181), Yunnan, *Cerambycidæ*, 5 spp. n., Japan, *Obrium* n. sp. PIC (1182), India, *Attalus*, *Ebæus* sp. n. PIC (1186), Japan, *Podabus* and *Cantharis* etc., 4 spp. n. PLANET (1208), Se-Tschuen or Yunnan? *Pseudolucanus* n. sp. REITTER (1244), China, India, *Tene-*

brionidæ n. spp. REITTER (1248), Tien-tsin, *Epicauta* sp. n. REITTER (1249), China, *Melolonthidæ* sp. n. RITSEMA (1273), Tonkin, Tenasserim, China, Bhutan, *Helota*, 8 spp. n. SCHAUFUSS (1328), Ceylon, *Coccotrypes* sp. n. SCHWARZ (1369), N. India and Ceylon, *Elateridæ*, 13 spp. n. SHARP (1385), Korea, E. Asia, Tibet, *Criocephalus*, 5 spp. n. SPAETH (1430), Tenasserim, *Laccoptera* n. sp. WATERHOUSE (1590), Ceylon, *Chrysodema* sp. n. WEISE (1599), Lower India, *Cassidides* and *Hispides*, catalogue with 10 spp. n. WEISE (1605), Assam, *Chirida* n. sp. WEISE (1606), Darjiling, *Potaninia* n. sp. WEISE (1607), Yunnan, *Coccinellidæ* n. sp. ZANG (1660), Tonkin, *Passalidæ*, 3 spp. n. ZANG (1662), Ceylon, *Lucanidæ* and *Passalidæ*, *Figulus* sp. n. ZANG (1665), India, *Passalidæ*, 2 spp. n. ZANG (1666), Ceylon, *Leptaulacides* sp. n.

Hymenoptera. ANDRÉ (24), Pekin, *Mutilla* n. sp. CAMERON (238), Khasia Hills, *Sphegidæ*, *Ceropalidæ*, 47 spp. n. CAMERON (241), India, *Fossoria*, 5 spp. n. CAMERON (243), India, *Fossoria*, 2 spp. n., *Ichneumon.* 6 spp. n., *Bracon*, 2 spp. n. CAMERON (253), Sikkim, *Ichneumonidæ*, 18 spp. n. CAMERON (257), India, *Ichneum.*, *Chalcid.*, 16 spp. n. CAMERON (266), Japan, *Ampulex* n. sp., Sikkim, *Icaria* n. sp. CAMERON (269), Singapore, *Agathis*, *Buodias*, *Skeatia*, n. sp.; Himalaya *Pleuroneurophion* n. sp. CAMERON (270), Ceylon, 36 spp. n., *Ichneumon.*, *Bracon.*, *Evan.*, *Chalcid.*, *Bethyl.*, *Siricid.* CAMERON (271), Ceylon, *Ichneumonidæ*, 58 spp. n. COCKERELL (326), Kashmir, *Bombus* n. sp. EMERY (493), Tsushima, *Pachycondyla* sp. n. ENDERLEIN (499), Siam, *Stantonia* n. sp. ENDERLEIN (502), Burma, *Evania* sp. n. FOREL (591), Nicobar Islds., *Formicidæ*, 2 spp. n. FRIESE (601), Ceylon, Perak, Tshusima, *Crocisa* spp. n. FRIESE (611), W. China, *Bombus* n. spp. KIEFFER (841), India, Burma, *Proctotrypidæ*, 7 spp. n. KOHL (874), Japan, *Crabro* sp. n. MOCSÁRY (1055), *Rhyssa*, 3 spp. n. PÉREZ (1146), Japan, *Aculeata*, many spp. n. SZÉPLIGETI (1466), Singapore, *Braconidæ*, 6 spp. n.

Lepidoptera. Geographical relation of *Lepidopterous* fauna of Japan, ELWES, pp. xli–xliv, P. Ent. Soc. London 1905. ADAMSON (7), Burmah, *Rhopalocera*, list of, 253 spp. BASTELBERGER (80), Assam, *Gullaca* n. sp. BASTELBERGER (81), N. India, *Dilophodes*, *Mnesiloba* n. sp. BINGHAM (119), India, Ceylon and Burma, *Rhopalocera*, general work. H. H. DRUCE (459), Malay Penins., list of 51 spp. DUDGEON (465), India, *Soritia*, *Acanthopsyche*, *Mahasena*, *Nonagria*, *Pterognia*, *Chilo*, *Polyocha*, sp. n. DUDGEON, Catalogue of the *Heterocera* of Sikhim and Bhutan, Part xvii, *Noctuidæ* contd., J. Bombay Soc. xvi, pp. 275–291. DYAR (470), Japan, *Zygaenidæ*, *Limacodidæ*, *Geometridæ* and *Pyrausta* n. sp. HAMPSON (715), China, Japan, India etc., *Hadeninæ* n. spp. HAMPSON (717), India, Japan etc., etc., *Noctuidæ* n. spp. HAMPSON (718), Ceylon, n. g. *Orneodidæ*. HAMPSON (719), India and Ceylon, Bombyces, 22 spp. n. JANET (814), Laos, *Stichophthalma* sp. n. LONGSTAFF (972), India and Ceylon, *Rhopalocera*. LONGSTAFF (974), Hong Kong, *Orsonoba* n. sp. MEYRICK (1043), India, *Microlepidoptera*, 89 spp. n. MOORE (1062), India, work on *Rhopalocera* continued, *Pieridæ*, 3 spp. n. NAGANO (1082), Japan, *Sphingidæ*. RHÉ-PHILIPE, Lucknow, *Rhopalocera*, J. Bombay Soc. xvi, pp. 720–722. Malay States, *Dodona deodata*, ROBINSON, J. Fed. Malay Museums i, p. 15. SOUTH (1429), Japan and Korea, *Nodaria* n. sp. SWINHOE (1459), India, Malay Penins., *Drepan.*, *Hepial.*, *Noctuidæ*, *Geometridæ* spp. n. SWINHOE (1460), Khasia Hills, *Limacod.*, *Lasioc.*, *Noctuid.*, *Geometr.*, 4 spp. n., *Rhodoneura*, 3 spp. n. SWINHOE (1461), India, Burma, Ceylon, *Chalcosiidæ*, *Noctuidæ*, 3 spp. n. SWINHOE (1462), India, *Drepanulid.*, *Noctuid.*, *Geometrid.* n. spp. THIERRY-MIEG (1493), Japan, *Problepsis* n. sp. WARREN (1569), China, *Geometridæ*, 2 spp. n.,

Shan States, *Hypolamprus* sp. n. WARREN (1574), Ceylon, *Geometr.*, 3 spp. n., Shan States, 1 sp. n., Hainan, 3 spp. n. and *Epiplema*, 2 spp. n. YOUNG (1648), India, *Rhopalocera.*

Diptera. ADIE & ALCOCK (11), Calcutta, *Anopheles listoni.* BEZZI (115), Pekin, *Systropus*, 2 spp. n. BRUES (201), India and Singapore, *Phoridæ*, 5 spp. n. CHALMERS (297), Ceylon, *Anophelinæ*, distribution. SPEISER (1437), Tenasserim, *Olfersia*, Ceylon, *Lipoptera* sp. n. THEOBALD (1476), Bombay, n. g. *Culicidæ.* THEOBALD (1477), India, Singapore, *Culicidæ*, 7 spp. n. THEOBALD (1478), India, *Culicidæ* 4 spp. THEOBALD (1480), Ceylon, *Culicidæ*, 8 spp. n. THEOBALD (1481), India, n. g. *Culicidæ.*

Aphaniptera. ROTHSCHILD (1301), Malay States, *Ceratophyllus*, 2 spp. n.

Hemiptera. BREDDIN (183), India and Cochin China, *Chrysocoris*, 2 spp. n. DISTANT (422), Yunnan, Assam, Tenasserim, *Dundubiaria*, 3 spp. n. DISTANT (423), India, *Terpnosia* sp. n. DISTANT (424), Hong Kong, *Mogannia* n. sp., Mts. Song-Chai, n. g. *Cicadidæ.* DISTANT (426), China, *Cicadidæ*, 2 spp. n. DISTANT (427), China, *Quintilia* n. sp. DISTANT (429), China, N. China, Siam, Tonkin, *Cicadidæ* n. sp., Siam, *Pyrops* n. sp. DISTANT (430), Malacca, Cochin China, *Platypleura*, 2 spp. n. DISTANT (431), Ta-tsienlu, *Platylomia*, 2 spp. n. DISTANT (431), Tibet, *Oncotympana* sp. n. DISTANT (432), Yunnan, *Gæana* n. sp. DISTANT (434), Ceylon, *Aneurus* n. sp. HORVÁTH (774), Japan, n. g. *Berytidæ.* HORVÁTH (776), Japan, *Heteroptera*, 15 spp. n. JACOBI (805), Assam, Burma, *Cercopidæ*, 2 spp. n. JACOBI (806), Tonkin, *Cicad.*, 1 sp. n., *Fulgor.*, 2 spp. n., *Cercop.*, 4 spp. n., *Jassid.*, 1 sp. n. KIRKALDY (858), India, *Gypona* sp. n. KIRKALDY (862), Ceylon, *Micronecta* sp. n. REUTER (1259), Sztschwan, China, *Capsidæ*, many spp. n. REUTER (1261), India, *Urostylis* sp. n. SCHMIDT (1333), Tonkin, *Fulgora* n. sp. SCHOUTEDEN (1344), *Scotinophara* n. sp. SCHOUTEDEN (1348), Ceylon, *Aphidæ*, 2 spp. n.

Coccidæ. GREEN (687), Ceylon, 17 spp. n. LINDINGER (967), Singapore *Parlatorea* n. sp., Japan n. g. MARCHAL (1005), Ceylon, *Asterolecanium* sp. n.

Trichoptera. BANKS (72), Japan, 12 spp. n. ULMER (1517), Sikkim, Japan, 5 spp. n. ULMER (1518), Moupin, *Rhyacophila* sp. n., India, *Psilochorema* sp. n. ULMER (1518A), Assam, *Dinarthrum*, Ceylon, *Macronema.*

Perlidæ. NEEDHAM (1089), Japan, *Perlidæ*, 3 spp. n.

Termitidæ. DESNEUX (401), Sind, *Termes*, 3 spp. n., *Hodotermes* n. sp.

Odonata. FOERSTER (584), Tonkin, 2 spp. n. KIRBY (852), Ceylon *Zygonidia* sp. n., Tonkin, *Zygonidia*, *Onychothemis* sp. n.

Thysanura. BOUVIER (162), Tibet, *Japyx dux.*

Collembola. BECKER (88), Persian Gulf, n. g. *Collembola.*

Orthoptera. BOLÍVAR (129), Singapore, *Xiphidiopsis* n. sp. BOLÍVAR (130), India, China, *Atractomorpha*, 5 spp. n., *Orthacris* n. sp. BOLÍVAR (130), Malay penins. Cambodia, *Pyrgomorphidæ*, 2 spp. n. BURR (220), Tonkin, N. India, Mou-Pin, *Forficulidæ*, 3 spp. n. BURR (221), India, *Forficulidæ*, 4 spp. n. BURR (222), India, *Opisthocosmia* n. sp. DOHRN (443), Tonkin, *Hexacentrus* n. sp. KRAUSZE (894), Tonkin, *Conocephalus*, 2 spp. n. REHN (1237), Siam, Pekin, *Forficulidæ*, 3 spp. n. WILLEY (1632), Ceylon, short list.

7. ASIATIC ARCHIPELAGO, including PAPUA. (For islands beyond Papua see 2. Insular.)

Insecta. ALFKEN (16), Java, *Hym.* and *Lep.* and flowers they visited. BIRÓ (120), New Guinea, notes.

Coleoptera. ARROW (30), Philippines, *Rhyparus* sp. n. BERNHAUER (103), Java, Sumatra, Engano, *Staphylinidæ* n. spp. BOILEAU (126) *Lucanidæ*, 7 spp. n. FAUVEL (544), Java, *Staphylinidæ*, 10 spp. n. FAUVEL (546), Java, Sumatra, Borneo, *Staphylinidæ* spp. n. HARTMANN (726), Sumatra, *Niphades* sp. n. HELLER (737), New Guinea, *Lomaptera* n. sp., *Cerambycides* n. g., *Curculionidæ*, 8 spp. n. HORN (769), New Guinea, *Cicindela* n. sp. JANSON (815), New Guinea, *Cetoniidæ*, 7 spp. n. LÉVEILLÉ (949), Java, *Ancyrona* n. sp. LEWIS (953), Borneo, *Coryphæus* sp. n. LEWIS (954), Sumatra, New Guinea, *Platysoma*, 3 spp. n. MÖLLENKAMP (1057), Borneo, *Odontolabis*, *Prosopocœlus* sp. n., Sumatra, *Eurytrachelus* sp. n. MOSER (1076), Dammer isld. *Protactia* n. sp., Key islds., *Clinteria* n. sp. OHAUS (1115), Java, Philippines, Timor, *Rutelides*, 4 spp. n. OLIVIER (1123), Java, Borneo, *Luciola* and *Curtos*, 3 spp. n. PIC (1182), New Guinea, *Rhinosimus* n. sp. PIC (1183), Philippines, *Adoretus* n. sp. PIC (1186), Java, Sumatra, *Laius*, 3 spp. n. REITTER (1244), Java, *Scleron* n. sp. RITSEMA (1271), Borneo, *Apogonia*, 4 spp. n. RITSEMA (1275), Sumatra, *Cryptoderma* n. sp. SCHWARZ (1369), Sumatra, *Hemiops* sp. n. VETH (1547), Sumatra, *Cryptoderma* n. sp. WEISE (1608), New Guinea, *Dactylispa* n. sp. ZANG (1655), Padang and Palawan *Passalid.*, 2 spp. n. ZANG (1659), Amboyna, *Analaches* n. sp. ZANG (1663), *Passalidæ*, Borneo, 3 spp. n., Andamans, 1 sp. n. ZANG (1665), *Passalidæ*, 7 spp. n. ZANG (1667), Sumbawa and New Guinea, *Passalidæ*, 2 spp. n.

Hymenoptera. ANDRÉ (24), Celebes, New Guinea, *Mutillidæ*, 4 spp. n. ASHMEAD (31), Philippines, 28 n. spp. ASHMEAD (32), Philippines, *Fossor.*, *Formic.*, *Ichn.*, *Bracon.*, *Proct.*, *Cynip.*, 23 spp. n. ASHMEAD (33), Philippines, *Parasitica*, 27 n. spp. ASHMEAD (34), Philippines, *Vespidæ*, *Ichneum.*, *Bracon.*, *Chalcid.*, *Proct.*, *Cynipidæ*, n. spp. DU BUYSSON (233), Java and Sumatra, *Ischnogaster*, 2 spp. n. CAMERON (240), Borneo, *Evaniidæ*, *Bracon.*, *Ichneum.*, 11 spp. n. CAMERON (245), Borneo, *Ichneumonidæ*, 3 genn. n. CAMERON (265), *Ichneumonidæ*, *Braconidæ*, 10 spp. n. CAMERON (266), *Vespidæ* and *Fossoria*, 17 spp. n. CAMERON (267), Borneo, *Iphiaulax* and *Chaolta*, 30 spp. n. CAMERON (268), Borneo, *Chalcis* n. sp. CAMERON (269), Borneo, *Apidæ*, *Odynerus*, *Fossoria*, *Ichneumon.*, *Bracon.*, *Evan.*, *Chalcid.*, *Siricidæ* spp. n. COCKERELL (326), Ternate, *Crocisa* n. sp. COCKERELL (329), Sumatra, *Bombus* n. sp. EMERY (493), Borneo, Timor, *Formicidæ*, 3 spp. n. ENDERLEIN (498), Sumatra and Philippines, *Gastrotheca*, *Spinaria* n. spp. and n. g. ENDERLEIN (502), Sumatra, Borneo, *Evania*, 3 spp. n. FOREL (592), Java, *Formicidæ*, 21 spp. n. FRIESE (601), *Crocisa*, 7 spp. n. FRIESE (602), Sunda islds., *Megachile* sp. n. MOCSÁRY (1055), Java, Borneo, New Guinea, Waigiou, *Rhyssa* soc., 5 spp. n. SZÉPLIGETI (1465), Java, New Guinea, Celebes, *Ophionidæ*, 10 spp. n. SZÉPLIGETI (1466), *Braconidæ*, many spp. n.

Lepidoptera. BASTELBERGER (80), Borneo, *Bulonga*, Sumba, *Abraxas*, sp. n. BASTELBERGER (82), Borneo, Obi, *Dysphania*, 3 spp. n. BASTELBERGER (83), *Dysphania*, 4 spp. n. BETHUNE-BAKER (110), New Guinea, *Leucania*, 2 spp. n. BETHUNE-BAKER (111), New Guinea, *Leucania* n. sp. FRUHSTORFER (621), Toli-toli, *Ismene* n. sp. FRUHSTORFER (622), New Guinea *Tenaris*, Mafor and Jobi *Cethosia*, n. sp. FRUHSTORFER (623), Kaju, *Tenaris* sp. n. HAMPSON (715) Java and New Guinea, *Hadeninæ* n. spp. HAMPSON (716), Java, Borneo, Sala, Sangir, *Syntomiid.*, *Arctiid.*, *Noctuid.*, spp. n. HAMPSON (717), *Noctuidæ* n. spp. PIEPERS & SNELLEN (1203), Java, *Lithosiidæ*, *Agaristidæ*, list. ROTHSCHILD & JORDAN (1307), British New Guinea, n. spp. of *Nymphal.*, *Satyr.*, *Pierid.*, *Lycæn.*, *Erycin.*, *Chalcos.*, *Hepialid.*, *Bombyc.*, *Noct.*, *Geometr.*, *Pyral.* SWINHOE (1459), Borneo, *Chalcos.*, *Drepan.*, *Limacod.*, *Lymantr.*, *Noctuidæ*, *Agathia*, spp. n.; New Guinea, *Zethes*, *Hypena*, spp. n. SWINHOE

(1460), Borneo, Sumatra, *Phacosia* n. sp., *Ctenane* n. g. *Lithos*. SWINHOE (1461), *Heterocera*, 7 spp. n. SWINHOE (1462), *Hesperiidæ*, *Aganaidæ*, *Arctiid.*, *Noctuidæ*, *Epiplema*, n. spp. THIERRY-MIEG (1493), *Geometridæ*, 4 spp. n. WARREN (1569), Sumatra, Batchian, New Guinea, Christmas isld., *Thyrididæ*, *Epiplem.*, *Geometr.*, 7 spp. n. WARREN (1574), *Geometridæ* 15 spp. n., *Epiplema* 3 spp. n.

Diptera. BRUES (201), New Guinea, *Phoridæ*, 7 spp. n. LUDLOW (984), Philippines, *Culicidæ* n. genn., n spp. MEIJERE (1024), Java, *Siphonella* n. sp. SPEISER (1437), Philippines, *Olfersia* n. sp. THEOBALD (1477), New Guinea, *Culicidæ*, 14 spp. n.

Hemiptera. BREDDIN (180), Java, *Heteroptera*, 21 spp. n. BREDDIN (181), Banguey, fauna, 11 n. spp., *Pentat.*, *Coreid.*, *Lygæid.*, *Reduv.*, *Cicad.*, *Fulg.*, *Jassid.* BREDDIN (183), *Calliphara* and *Chrysocoris*, 5 spp. n. BREDDIN (185), Java, *Micronecta*, 5 spp. n. DISTANT (422), Philippines, Borneo, New Guinea, *Dundubiaria*, 6 spp. n. DISTANT (423), Java, *Kamalata* sp. n. DISTANT (425), Celebes, Philippines, *Cicadidæ* sp. n. DISTANT (424), Java, *Mogannia* n. sp. DISTANT (428), Java, n. g. *Cicadidæ*. DISTANT (429), Java, Borneo, Nias, New Guinea, *Cicadidæ* n. spp., *Pyrops* and *Fulgora* n. sp. DISTANT (430), Borneo, Sunda islds., *Cicadidæ*, 2 spp. n. DISTANT (431), Borneo, *Cosmopsaltria* sp. n. HORVÁTH (774), New Guinea, *Berytidæ*, 2 spp. n. JACOBI (805), *Cercopidæ*, 19 spp. n. KIRKALDY (862), Philippines, *Micronecta* sp. n. MONTANDON (1058), Philippines, *Ranatra* n. sp. SCHMIDT (1332), *Ricaniidæ*, 5 spp. n. SCHMIDT (1333), Sumatra, Borneo, *Fulgoridæ*, 6 spp. n. SCHOUTEDEN (1340), New Guinea, *Coleotichus* sp. n. SCHOUTEDEN (1344), Java, *Graphosomini* n. g.

Coccidæ. GREEN (688), Java, 4 spp. n.

Trichoptera. ULMER (1517), Sumatra, etc., 8 spp. n. ULMER (1518A), Borneo, Java, 2 spp. n. ULMER (1519), Java, 5 spp. n.

Perlidæ, *Ephemeridæ*. KLAPÁLEK (866), Java sp. n.

Termitidæ. DESNEUX (401), Borneo, *Termes* n. sp. DESNEUX (402), New Guinea, 8 spp. n.

Thysanoptera. ASHMEAD (37), Philippines, *Thrips* n. sp.

Thysanura. ESCHERICH (525), *Lepismatidæ*.

Orthoptera. BOLÍVAR (129), New Guinea, *Conocephalides*, 10 spp. n. BOLÍVAR (130), *Atractomorphinæ* spp. n. BOLÍVAR (130), Obi, Lombock, New Guinea, *Pyrgomorphidæ*, 2 spp. n. BOLÍVAR (130), Borneo, Engano, New Guinea, *Pyrgomorphidæ*, 8 n. spp. BOLÍVAR (130), Sumatra, *Orthacrinæ*, 2 spp. n. BURR (219), Java, Mentawei, Batchian, *Forficulidæ*, 3 spp. n. BURR (220), Java, *Labia* n. sp. DOHRN (443), *Conocephalides*, 10 spp. n. NAVÁS (1084), Philippines, *Hedotettix*, 2 spp. n.

8. AUSTRALIA and TASMANIA. (For New Zealand see 2. Insular.)

Insecta. WALKER (1563), Sydney, field notes.

Coleoptera. BLACKBURN (123), *Liparochrus*, *Systellopides*, *Liparetrus* n. spp. BOILEAU (126), *Lucanidæ*, 5 spp. n. CARTER (284), *Heteromera*, 14 spp. n. LEA (924), *Cryptorhynchides*, 8 spp. n., n. g. LEA (925), Austr. and Tasmania, *Curculionidæ*, 34 spp. n. LEA (926), N. S. Wales, *Illaphanus* sp. n. LEA (928), *Nepharis*, *Ptinidæ* n. g., *Tribolium* sp. n. PERKINS (1152), *Stylopidæ* n. spp. SLOANE (1410), *Scaritini*, revision with n. spp. SLOANE (1411), *Cicindela*, 5 spp. n. SLOANE (1412), distribution and list, Australian *Carabinæ*.

Hymenoptera. ANDRÉ (24), *Ephutomorpha*, 5 spp. n. ANDRÉ (26), Sydney, *Formicidæ*, 2 spp. n. BRADLEY (167), S. Australia, *Megalyra* sp. n.

CAMERON (265), *Stephanus*, *Megalyra* n. sp. COCKERELL (326), *Apidæ*, novelties, 5 spp. n. COCKERELL (327), and Austr. Tasmania, *Apidæ*, 9 spp. n. COCKERELL (328), *Apidæ*, 4 spp. n. COCKERELL (329), *Apidæ*, 11 spp. n. COCKERELL (330), Austr. and Tasmania, *Apidæ*, 20 spp. n. COCKERELL (331), Austr. and Tasmania, *Apidæ*, 10 spp. n. COCKERELL (334), *Nomia*, 7 spp. n. COCKERELL (335), *Apidæ*, 7 spp. n. COCKERELL (336), *Apidæ* n. g. FRIESE (601), *Crocisa*, 2 spp. n. FROGGATT (612), *Chalcididæ*, 2 spp. n. KIEFFER (841), *Epyris* n. sp., *Bethylinæ* n. g. KONOW (885), Australia and Tasmania, *Tenthredinidæ*, 3 spp. n.

MAYR (1017), n. g. *Perilampides*. PERKINS (1150), Queensland, *Dryinidæ* genn. and spp. n. PERKINS (1154), Queensland, *Mymaridæ* and *Proctotrypidæ* n. genn., n. spp. SZÉPLIGETI (1466), *Braconidæ*, many spp. n.

Lepidoptera. BASTELBERGER (93), Cooktown, *Dysphania* sp. n. BETHUNE-BAKER (109), *Ogyris* monograph, 1 sp. n. HAMPSON (715), *Hadeninæ* n. spp. HAMPSON (717), *Giaura* n. sp. LOWER (980), Austral. and Tasman., *Pyralidæ* and *Tineidæ*, 27 spp. n. LOWER (981), Austr. and Tasm., *Bombyces*, *Noct.*, *Geometr.*, *Pyral.*, 14 spp. n. LYELL, Victoria, *Ogyris genoveva*, Victorian Natural. xxi, p. 166. MEYRICK (1041), Tasmania, *Dryadaula* sp. n. PERKINS (1151), Queensland n. fam., n. genn., n. spp. SWINHOE (1461), N. S. W., *Anthela* n. sp. TURNER (1509), Austral. and Tasmania, *Pyralidæ*, 24 spp. n. WARREN (1574), *Geometridæ*, 3 spp. n.

Diptera. BRUES (201), *Aphiochæta*, 3 spp. n. COQUILLETT (367), Victoria, *Culex* sp. n. PERKINS (1153), *Pipunculus*, 26 spp. n. TERRY (1475), Queensland, *Baccha*, 2 spp. n. THEOBALD (1476), Queensland, *Sayomyia* n. sp. THEOBALD (1478), *Culicidæ*, 1 sp. n. THEOBALD (1481), Queensland, n. g. *Culicidæ*.

Aphaniptera. RAINBOW (1232), *Ceratophyllus* sp. n., *Ctenopsyllus musculi*. ROTHSCHILD (1301), Tasmania, 2 spp. n. ROTHSCHILD (1302), Tasmania, *Stephanocircus* sp. n.

Hemiptera. BERGROTH (97), Queensland, *Pentatomidæ*, 5 spp. n. DISTANT (426), *Cicadidæ*, 3 spp. n. DISTANT (427), W. Australia, n. g. *Cicadidæ*. DISTANT (428), *Homoptera*, 7 spp. n. KIRKALDY (861), Brisbane, *Psyllidæ* n. g. KIRKALDY (862), *Micronecta*, 2 spp. n. MELICHAR (1030), *Fulgoridæ* n. g. SCHMIDT (1332), Queensland, *Ricanoptera* n. sp. SCHMIDT (1333), *Sephena* n. sp. SCHOUTEDEN (1340), *Coleotichus* sp. n. SCHOUTEDEN (1344), Victoria, *Graphosomini*, 2 spp. n. VAN DUZEE (1527), *Pentatomidæ*, 13 spp. n.

Coccidæ. GREEN (689), Victoria *Coccidæ*, 5 spp. n. LEONARDI (936), *Mytilaspis* n. sp.

Trichoptera. ULMER (1518), *Macronema* n. sp.

Thysanura. ESCHERICH (525), *Acrotelsa* n. sp. FROGGATT, P. Linn. Soc. N. S. Wales xxx, p. 259, novelties.

Orthoptera. BOLÍVAR (130), Rockhampton, *Atractomorpha* sp. n. BURR (219), *Gonolabis* sp. n. LEA (927), Tasmania, *Acrophylla* n. sp. REHN (1237), Queensland, *Labia* n. sp. TEPPER (1473), Centr. Austral., *Mantidæ* sp. n., *Phasmidæ* 6 spp. n.

9. NORTH AMERICA. For Bahamas and Bermudas see 11. Antilles.

Insecta. ALFKEN (16), California, *Hym.* and *Lep.* and flowers visited. COCKLE, Canad. Ent. 1905, pp. 263, 264, Brit. Columbia, hibernating specimens. COCKERELL (350), Colorado, *Col.*, *Coccidæ*, *Apidæ*, novelties etc. GODMAN (670). LAURENT (920), Utah and Colorado trip. ENGELHARDT, Utah trip, Ent. News Philad. xvi, p. 91. LONGLEY,

pp. 125–127, Ent. News Philad. xvi, Chicago list. SHERMAN & BRIMLEY, N. Carolina expedition, J. E. Mitchell Soc. xx, pp. 134–136; captures, iid. t. c. pp. 141–144.

Coleoptera. BERNHAUER (103), *Borboropora* n. sp. BERNHAUER (105), California, *Aleocharides*, 8 spp. n. CASEY (285), *Pæderini* n. genn., n. spp. CASEY (286), *Cychrus* n. sp., *Cryptophilus* etc., *Vanonus*, 2 spp. n. CHAGNON, Ent. News Philad. xvi, pp. 35, 36, Canadian *Cerambycidæ*, 44 spp. CHITTENDEN (307), *Sphenophorus*, 10 spp. n. CHITTENDEN (308), *Sphenophorus*, 13 spp. n. FALL (538), Revision of *Ptinide*, numerous n. spp., n. genn. FALL (539), California, *Dystasia* sp. n. FALL (540), *Aphodius*, 2 spp. n. FALL (541), *Tachycellus* and *Glycerius*, 5 spp. n. FALL (542), *Buprest.*, *Elater.*, *Dynast.*, *Ceton.*, *Long.*, n. spp. HOUGHTON, Ent. News Philad. xvi, pp. 50, 51, Summit of Mt. Seward, list. HOUGHTON, Ent. News Philad. pp. 210–213, Delaware at light. KEEN, Canad. Ent. 1905, pp. 297, 298, North Brit. Columbia, list. KNAB (870), Illinois, *Donacia* n. sp. KNAB, Ent. News Philad. xvi, p. 230, *Galeruca pomonæ*. KNAUS, Canad. Ent. 1905, pp. 348–352, Texas, list. OHAUS (1117), Florida, *Strigoderma* n. sp. PIC (1192), Mariposa, *Vrilleta* n. sp. SCHAEFFER (1323), N. Am. incl. Lower California, *Scydmæn.*, *Pselaph.*, *Parnidæ*, *Buprest.*, *Cerambyc.*, *Chrysomel.*, *Meloidæ*, *Curculionidæ* spp. n. SCHAEFFER (1324), novelties, n. spp. *Coccinellidæ*, *Erotylidæ*, *Nitid.*, *Buprest.*, *Clerid.*, *Melolonth.*, *Ceramb.*, *Chrysomel.*, *Lagriidæ*, *Cistel.*, *Curc.* SCHAEFFER (1326), *Statira*, 2 spp. n. SKINNER (1408), Arizona, *Plusiotis*, *Cleridæ*, *Ceramb.* spp. n. SLOSSON, Ent. News Philad. xvi, pp. 67–71, Biscayne Bay, just one log. WEBB (1592), Washington, *Desmocerus* n. sp. WICKHAM (1629), *Cotalpa* n. sp. WICKHAM (1630), *Cicind.*, *Aphodius*, *Gyascutus*, *Hydnocera*, *Zonitis*, *Elaphidion* sp. n.

Hymenoptera. ANDRÉ (25), Arizona, *Rhoptromutilla* sp. n. BAKER (65), California and Nevada, *Odontophotopsis*, 5 spp. n. BAKER (66), *Photopsis* and *Chyphotes*, 13 spp. n. BRADLEY (166), Washington, *Deraidontus* n. sp. BRADLEY (168), *Cœnocephus*, 2 spp. n. BRADLEY (169), New York, *Ropronia* n. sp. BRUES (199), *Proctotrypidæ*, 6 spp. n. CAMERON (274), Nevada and California, *Paratiphia*, 6 spp. n. CAMERON (275), California and Nevada, *Eumen.* and *Vesp.*, 6 spp. n., *Ichneumon.*, 10 spp. n., *Brasema* sp. n. COCKERELL (324), *Apidæ*, 4 spp. n., *Proctotrypes* sp. n. COCKERELL (325), Rocky Mts., *Melissodes*, 9 spp. n. COCKERELL (326), *Apidæ*, 3 spp. n. COCKERELL (333), Colorado, *Apidæ*, 3 spp. n. COCKERELL (337), New Mexico and California, *Apidæ*, 3 spp. n. COCKERELL (339), Colorado, *Apidæ*, 3 spp. n. COCKERELL (340), Texas, *Perdita* n. sp. COCKERELL (342), *Diadasia*, 1 n. sp. COCKERELL (343), Wisconsin, *Nomada*, 2 spp. n. COCKERELL (344), Texas, *Apidæ*, 3 spp. n. COCKERELL (345), California, 6 spp. n., *Andrena* and *Osmia*. COCKERELL (347), Arizona and New Mexico, *Melissodes*, 8 spp. n. COCKERELL (348), S. California, *Apidæ*, numerous n. spp. COCKERELL (349), *Apidæ*, 9 spp. n. COCKERELL, Psyche xii, p. 90, *Bombus medius* not N. American. GIRAULT (662), *Anaphes* n. sp. GIRAULT (663), *Paracentrobia*, *Gonatocerus*, from *Anthonomus* eggs, sp. n. GIRAULT (668), *Myrmaridæ*, 2 spp. n. KIEFFER (847), *Gasteruption*, *Callirhytis*, 9 spp. n. KOHL (875), S. America, specially Chile, *Odynerus* and *Fossoria*, 18 spp. n. KONOW (884), Oran, *Emphytus* n. sp. KRIEGER (895), *Neotheronia* sp. n. LOVELL (977), Maine, *Halictus*, 4 spp. n. LOVELL (978), Maine, *Halictus*, 3 spp. n. LOVELL & COCKERELL (979), Maine, *Nomada*, 2 spp. n. NASON, Ent. News Philad. xvi, pp. 145–152, 168–172, Algonquin, Illinois, *Ichneumonidæ*, extensive list. NASON, II *Alysiidæ*, *Braconidæ*, t. c. pp. 293, 298. PERKINS (1150), *Dryinidæ* spp. n. ROBERTSON (1284), Illinois, *Apidæ*, 5 spp. n. SWENK (1457), *Colletes*, 3 spp. n. TITUS

(1497), *Megachile* sp. n. TITUS (1497), *Anthidium*, 2 spp. n. VIERECK (1549), Oregon etc., *Apidæ*, 3 spp. n. WHEELER (1621), *Formica* 5 spp. n. WHEELER (1624), New Jersey, *Formicidæ*, Catalogue, 2 spp. n. WHEELER (1628), Mt. Washington, *Formicidæ*.

Lepidoptera. BARNES (77), 5 spp. n. BROOKS, Ent. News Philad. xvi, p. 85, West Virginia Mountain *Rhopalocera*. BRUES, Ent. News Philad. xvi, p. 11, *Eubagis dionis*. DIETZ (419), *Amydriinæ* and *Tineinæ*, many spp. n. and genn. n. DIETZ (419), n. spp. DOD, Alberta, list, *Noctuidæ* cont. from 1904, Canad. Ent. 1905, pp. 17–28. DYAR (472), Arizona, *Limacodidæ*, 2 spp. n. DYAR (474), *Pyralidæ*, 18 spp. n., *Tephroclystia* n. sp. DYAR (482), *Amblyscirtes* and *Megathymus* n. sp. DYAR (483), Nevada, *Oncocnemis* n. sp. ENGEL (517), *Xylina* n. sp. ENGEL (516), Pennsylvania, autumn and winter collecting. FERNALD (555), *Proteoteras* n. sp. FERNALD (556), *Tortricidæ*, 3 spp. n. GIBSON, Ottawa *Sthenopis thule*, Ottawa Natural. xix, pp. 117, 118. GIBSON, Canad. Ent. 1905, p. 88, *Simaëthis fabriciana*, novelty. GRINNELL, (697), California, *Satyrus*, *Thanaos* n. sp. GRINNELL (698), California, *Lycæna* n. sp. GRINNELL, Ent. News Philad. xvi, pp. 134–137, butterflies of Mt. Wilson, S. California, 58 spp. HAMPSON (715), *Hadeninæ* n. spp. HAMPSON (717), Florida, *Entelia* n. sp. HEATH, Canad. Ent. 1905, pp. 191, 192, Manitoba, season 1904. HEINDEL (735), *Acleris* n. sp. in gale of *Rhabdophaga*. KEARFOTT (829), *Polychrosis*, 3 spp. n. KEARFOTT (830), N. Carolina, *Tortricidæ*, 9 spp. n. KEARFOTT (831), Assiniboia, *Pyralidæ*, *Tortricidæ*, *Tineidæ* n. spp. KEARFOTT (832), *Tortricidæ*, 3 spp. n. KEARFOTT (833), Ontario, *Aristotelia* sp. n. KEARFOTT. Canad. Ent. 1905, pp. 205–208, 253–256, 293–296, Manitoba, *Microlepidoptera* list. LYMAN (997), Canada, *Gortyna*, 2 spp. n. McINTOSH, New Brunswick supplementary list, Bull. Soc. N. Brunswick xxiii, pp. 355–357. MURTFELDT (1081), Minnesota, *Bucculatrix* n. sp. NASON, Ent. News Philad. xvi, pp. 1, 2, Illinois, *Pyral.*, *Tort.*, *Tin.*, short list. PEARSALL (1142), *Euchoeca* n. sp. SCHAEFFER (1325), Huachuca Mts., *Bombyces* list. SHAW, S. A., Ent. News Philad. xvi, pp. 323–327, Hampton, New Hampshire *Microlepidoptera*. SKINNER (1406), Arizona, *Crinodes* n. sp. SKINNER (1407), Arizona, *Megathymus* n. sp. SMITH (1415), *Noctuidæ*, 10 spp. n. SMITH (1416), *Noctuidæ* n. spp. SMITH (1417), *Noctuidæ*, 35 spp. n. SOUTHER, Psyche xii, p. 96, Massachusetts, *Catocala*. WARREN (1572), Vancouver, *Sericosema* n. sp. WILLIAMS & GRINNELL (1633), Mt. Diablo, *Melicleptria* sp. n. WINN, Canad. Ent. 1905, p. 61, *Pieris brassicæ*. WRIGHT (1643), California, *Rhopalocera*, illustrated work.

Diptera. ADAMS (6), *Oscinis*, 4 spp. n. ALDRICH (14), General catalogue. ALDRICH (15), *Dolichopidæ*, 10 spp. n. BAKER (61), California and Nevada, various families, 30 spp. n. BUENO, Ent. News Philad. xvi, p. 83, Kansas, *Mixogaster breviventris*. Washington, *Chironomidæ*, COCKERELL, p. 236, Entomologist 1905. COQUILLETT (366), *Nematocera*, 24 spp. n. ; also *Ceratopogon*, 18 spp. n. COQUILLETT (369), New Mexico, *Limnophila* n. sp. DAECKE (386), New Jersey, *Chrysops*, 2 spp. n. DYAR (480), *Culex* n. sp. DYAR (481), *Culicidæ*, novelty and some new localities. FELT (554), *Culex* n. sp. GROSSBECK (701), New Jersey, *Culex*, 2 spp. n. HERRICK, Ent. News Philad. xvi, pp. 281–283, Mississippi, *Culicidæ*. HINE (749), *Chrysops* n. sp. JOHANNSEN (820), Aquatic *Chironomidæ*, monograph, 38 n. spp. JOHNSON (821), N. Carolina, *Bittacomorpha* n. sp. LUDLOW (985), California, *Tæniorhynchus* n. sp. LUDLOW (986), Illinois, *Finlaya* sp. n. McINTOSH (1020), New Brunswick, list. MOODIE (1061), Wyoming, *Syrphidæ*, Arizona, *Milesia* n. sp. SWENK (1456), *Cuterebra*, 3 spp. n. WASHBURN (1577), Minnesota, *Diptera* of.

Aphaniptera. BAKER (53), *Ceratopsyllus* n. sp. BAKER (62),

California, 2 spp. n. ROTHSCHILD (1299), *Ceratophyllus*, 17 spp. n.

Hemiptera. BAKER (56), Nevada, *Gnathodus* n. sp. BAKER (59), California, *Eupteryx* n. sp. BAKER (60), California, *Macropsis* n. sp. BALL (69), *Homoptera*, 7 spp. n. BALL (70), *Phlepsius* etc., 5 spp. n. BRITTON (192), Connecticut, *Aleurodidæ* spp. n. BUENO (209), *Notonecta* sp. n. BUENO (210), Georgia, *Hydrometra* n. sp. BUENO (213), *Ranatra* n. sp. COCKERELL (352), Colorado, *Pemphigus* sp. n. COCKERELL (353), Colorado, *Rhopalosiphum nymphææ.* HEIDEMANN (732), Washington, *Anasa* n. sp. HEIDEMANN (733), Plummer's Id., *Ceratocombidæ* n. g. HEIDEMANN (734), N. York, *Capsidæ*, 1 sp. n. OSBORN (1125), *Fulgoridæ*, 5 spp. n. OSBORN (1126), Ohio, novelties, n. spp. SCHOUTEDEN (1344), Colorado, *Graphosomini* n. g. SHERMAN, Ent. News Philad. xvi, pp. 7, 8, North Carolina, *Aradidæ.* UHLER (1515), Arizona, *Cicada* sp. n.

Coccidæ. COCKERELL (354), Colorado, 3 spp. n. COCKERELL (355), Colorado, *Pulvinaria* n. sp. COCKERELL (357), New Mexico, *Tachardia* n. sp. YORK (1647), Ohio, *Aspidiotus* n. sp.

Trichoptera. MORTON (1075), New York, *Hydroptilidæ*, 12 spp. n. ULMER (1518A), 4 spp. n.

Neuroptera. BAKER (64), California, *Perla* n. sp., Nevada, *Berotha* n. sp. BANKS (71), N. Carolina, *Trichoptera*, *Panorpidæ*, *Perlidæ* spp. n. CURRIE (383), Texas, *Brachynemurus* sp. n. NEEDHAM (1092), *Micromus* n. sp.

Perlidæ. BANKS (73), 3 spp. n. NEEDHAM (1089), New York, n. g. *Perlidæ.*

Psocidæ. RIBAGA (1264), California n. g.

Termitidæ. DESNEUX (401), *Termes* n. spp.

Ephemeridæ. NEEDHAM (1093), Revision with 5 spp. n.

Odonata. OSBURN (1127), Brit. Columbia, annotated catalogue. WILLIAMSON, Rockcastle Riv., *Odonata*, Ohio Natural. v, pp. 309, 310. CURRIE, Kootenay district, Brit. Columbia, P. ent. Soc. Washington vii, pp. 16–20.

Thysanoptera. HINDS (748), Florida, *Euthrips* sp. n.

Thysanura. ESCHERICH (525), Texas, *Atelura* sp. n. SILVESTRI (1397), Texas, *Nicoletia*, 2 spp. n.

Collembola. FRANKLIN (597), *Entomobrya* sp. n.

Orthoptera. BAKER (63), Western side, list, *Œcanthus* n. spp. Lower California, *Acridiidæ*, 3 spp. n., see Centr. Amer., BOLÍVAR. BRUNER (670), *Acridiidæ* spp. n. CAUDELL (287), Arizona, *Forficulidæ*, *Acridiidæ*, 6 spp. n. CAUDELL (289), California, *Melanoplus*, *Trimerotropis* n. sp. CAUDELL (290), Kansas, *Amblycorypha* n. sp. CAUDELL (291), Florida, *Aplopus* n. sp. CAUDELL (292), Indiana, *Bacunculus* sp. n. CAUDELL (294), S. W. Texas, *Anaplecta*, *Phasmid.*, *Acrid.*, 5 spp. n. CAUDELL, Ent. News xvi, pp. 216–219, Florida, annotated list. DAVIS (390), New Jersey, *Orchelimum*, *Conocephalus*, n. sp. REHN & HEBARD (1242), Florida, *Acridiidæ* 2 spp. n., *Locustidæ* 4 spp. n., *Gryllidæ* sp. n. STEVENSON, Ent. News Philad. xvi, p. 98, Montreal, *Blattidæ.* WALKER (1562), Ontario, *Locustidæ*, *Ceuthophilus* sp. n.

10. CENTRAL AMERICA (MEXICO to PANAMA incl.).

Coleoptera. BERNHAUER (103), Mexico, *Lispinus* n. sp. BERNHAUER (104), Costa Rica, *Brachydirus* sp. n. CASEY (285), incl. Lower California, *Pæderini* n. genn., n. spp. CASEY (286), Chihuahua, *Carabus* n. sp. CHAMPION (670), *Curculionidæ*, *Cryptorhynchides*, many novelties. FALL (538), Lower California, *Ptinidæ* n. spp. FAUVEL (546), *Oxytelus* sp. n. HOPKINS (758), Mexico, *Scolytidæ*, 10 spp. n.

LÉVEILLÉ (947), Mexico, *Corticotomus* sp. n. OHAUS (1117), *Rutelidæ*, 7 spp. n. PANGELLA (1135), Costa Rica, *Passalidæ*, 3 spp. n. PIC (1188), Mexico, *Eupactus* n. sp. SHARP (670), *Chelonarium*, 4 spp. n., *Rhipidandrus*, 2 spp. n. WATERHOUSE (1590), Mexico, *Halecia* sp. n. WEISE (1600), Mexican *Hispidæ*, list of, with 5 spp. n. ZANG (1665), *Passalidæ*, 2 spp. n. ZANG (1667), Chiapas, *Proculus* n. sp. Lower California, see N. Amer. *Col.*, SCHAEFFER.

Hymenoptera. ANDRÉ (25), *Rhoptromutilla* n. sp. BRUES (199), Mexico, *Anteon* n. sp. CAMERON (242), Panama, n. g. *Larridæ*. CAMERON (250), Mexico, *Masaridæ*, *Fossoria*, *Ichn.*, *Bracon.*, *Oxyura*, 30 spp. n. CAMERON (251), Mexico, *Fossoria*, 8 spp. n., *Odynerus* and *Agrypon* n. sp., *Braconidæ*, 5 spp. n., *Heptamerocera* sp. n. CAMERON (252), Mexico, *Odynerus*, 4 spp. n. CAMERON (272), *Fossoria*, *Ichneumon.*, *Bracon.*, *Proctotryp.*, *Chalcid.*, 52 spp. n. CAMERON (273), Nicaragua, *Mutillidæ*, *Tiphiidæ*, *Eumenidæ*, *Ichneumonidæ*, 8 spp. n. COCKERELL (324), Mexico, *Prosopis* sp. n. COCKERELL (341), Oaxaca, *Triepeolus* n. sp. EMERY (494), Costa Rica, *Camponotus* sp. n. KIEFFER (841), Costa Rica, n. g. *Diapriinæ*. KRIEGER (895), *Neotheronia* sp. n. MAYR (1017), Mexico, *Andricus* sp. n. MOCSARY (1055), Costa Rica, *Rhyssa* 3 spp. n. PÉREZ (1147), Mexico, *Centris*, *Cœlioxys* spp. n. SZÉPLIGETI (1465), Costa Rica, n. g. *Ophioninæ*.

Lepidoptera. DOGNIN (438), Costa Rica, *Nacoleia* n. sp. DOGNIN (439), San Salvador, *Dasylophia* n. sp. DOGNIN (442), San Salvador, *Adelocephala* n. sp. DYAR (472), *Limacodidæ*, 7 spp. n. HALL, *Rhopalocera*, Entomologist 1905, pp. 228–231. HAMPSON (715), *Hadeninæ* n. spp. HAMPSON (716), *Isanthrene* sp. n. HAMPSON (717), Panama, *Ingura* n. sp. and n. g. *Noctuidæ*. PACKARD (1131), Jalapa, *Adelocephala* sp. n. SCHAUS (1329), *Bombyces*, Mexico, 8 spp. n., Panama, 2 spp. n., Costa Rica, 1 sp. n. STICHEL & RIFFARTH (1452), *Heliconiidæ*, localities. THIEME (1490), Mexico, *Pedaliodes* sp. n. WARREN (1571), *Erosia* sp. n. and *Geometridæ*, 3 spp. n. WARREN (1572), *Epiplem.*, 2 spp. n., *Geometrid.* many spp. n.

Diptera. ALDRICH (14), General Catalogue. COQUILLETT (366), Mexico, *Ceratopogon*, 2 spp. n. COQUILLETT (371), Mexico and Costa Rica, *Culicidæ*, 3 spp. n. HINE (749), Guatemala, *Chrysops*, 3 spp. n.

Hemiptera. BAKER (56), Guatemala and Nicaragua, *Eugnathodus*, 5 spp. n. BAKER (58), Nicaragua, *Erythria*, 4 spp. n. BAKER (58), Nicaragua, *Typhlocybini* n. g. BAKER (59), *Typhlocybini*, 11 spp. n. BAKER (60), Nicaragua, *Macropsis* n. sp. BREDDIN (184), Costa Rica, *Edessa* n. sp. FOWLER (670), *Issidæ*, *Dephacidæ*, spp. n. KIRKALDY (861), Mexico, *Trioza* n. sp.

Trichoptera. ULMER (1518), Mexico, *Hydropsyche* sp. n. ULMER (1518A), Mexico, *Wormaldia* n. sp.

Neuroptera. BAKER (64), Nicaragua, *Megalomus* n. sp.

Odonata. WILLIAMSON (1635), Account of trip.

Orthoptera. BAKER (63), Nicaragua, *Bostra* and *Cyrtoxipha* n. sp., *Oecanthus* n. sp., *Heterocoiis* (sic) n. sp. BOLÍVAR (130), Lower California, *Orthacrinæ*, 3 spp. n. BRUNER (206), Costa Rica, *Proscopidæ*, 2 genn. n. BRUNER (670), *Acridiidæ* spp. n. BURR (219), Guatemala, *Forficula* sp. n. REHN (1238), Costa Rica, *Acridiidæ*, 18 spp. n. REHN (1239), Costa Rica, list with *Blattidæ*, *Phasmidæ*, *Locustidæ*, *Gryllidæ* n. spp.

11. ANTILLES, including BERMUDAS, BAHAMAS, BARBADOS. For Trinidad see 12.

Coleoptera. BERNHAUER (103), Grenada, *Thinobius*, *Parosus* n. sp. OHAUS (1117), S. Domingo, *Pelidnota* n. sp. PIC (1175), Gaudeloupe,

Petalium sp. n. PIC (1182), Cuba, *Eupactus* n. sp. PIC (1192), Guadeloupe, n. g. *Dorcatomini.* SCHAUFUSS (1328), Guadeloupe, *Stephanoderes* sp. n.

Hymenoptera. WHEELER (1620), Bahamas and Antilles, *Formicidæ*, lists, n. spp.

Lepidoptera. DRUCE (456), Cuba, *Perrhanæa* sp. n. HAMPSON (715), Jamaica, *Hadeninæ* n. sp. HAMPSON (716), Jamaica, *Napata* n. sp., *Eucereon* n. sp., Cuba, *Cincia* n. sp. HAMPSON (717), Cuba, *Eutelia* n. sp. SCHAUS (1329), Cuba, *Robinsonia*, Jamaica, *Tolype* sp. n. WARREN (1568), Grenada, *Hemioplisis* sp. n. WARREN (1572), *Geometridæ* n. spp.

Diptera. ALDRICH (14), General Catalogue. COQUILLETT (366), Cuba, *Ceratopogon* sp. n. COQUILLETT (368), Barbados, *Cecidom.* n. sp. COQUILLETT (370), Cuba, *Thelairodes* n. sp. COQUILLETT (371), Cuba, S. Domingo, St. Thomas, Guadeloupe, *Culicidæ*, 4 spp. n. GRABHAM (684), Jamaica, *Culicidæ* spp. n. JOHANNSEN (820), St. Vincent, *Chironomus* sp. n. LUDLOW (986), Porto Rico, *Culex* sp. n. THEOBALD (1484), Jamaica, Handbook of *Culicidæ*, 1 sp. n.

Thysanura. ESCHERICH (525), *Acrotelsa* n. sp.

Orthoptera. CAUDELL (293), Porto Rico, *Ischnoptera* n. sp. MORSE (1072), Bahamas, *Acridiidæ*, *Locustidæ*, *Gryllidæ*, 6 spp. n. REHN (1237), Cuba, *Forficula* n. sp. REHN (1241), Lesser Antilles incl. Barbados, novelties, *Orphulella* sp. n.

12. SOUTH AMERICA, including TRINIDAD.

Coleoptera. BERNHAUER (103), *Staphylinidæ*, 7 spp. n. BERNHAUER (104), *Staphylinidæ*, 17 spp. n. BOURGEOIS (151), Ecuador, *Lycidæ*, 1 sp. n. BRÈTHES (188), Tucumán, *Cyclocephala*, 2 spp. n. BRÈTHES (190), *Lathridiidæ* n. g. FAIRMAIRE (535), Argentina, *Heteromera*, 39 spp. n. FAUVEL (545), Argentina, n. tribe *Staphyl.* FAUVEL (546), *Staphylinidæ* spp. n. GOUNELLE (679), Tucuman, *Coremia* n. sp. GOUNELLE (680), GOYAZ, *Parozodes* sp. n. HAGEDORN (713), Northern S. America, *Scolytidæ*, 8 spp. n. HORN (762), *Tetracha* n. sp. HORN (765), Peru, *Odontochila* sp. n. HORN (772), Amazons, *Tetracha* n. sp. *Odontochila* n. sp. KERREMANS (835), GOYAZ, *Buprestidæ* n. g. LÉVEILLÉ (957), *Trogositidæ*, 11 spp. n. LÉVEILLÉ (948) *Trogositidæ*, 2 spp. n. LÉVEILLÉ (949), Brazil, *Lophocateres* sp. n. LEWIS (954), *Omalodes*, 2 spp. n. LEWIS (954), Bahia, *Histeridæ* n. g. MOSER (1076), Bolivia, *Blæsia* n. sp. OHAUS (1116), Chile and Ecuador, *Anoplognathides*, 4 spp. n. OHAUS (1117), *Rutelidæ*, 39 spp. n. OHAUS (1118), *Spodochlamys*, 4 spp. n., *Anatista* sp. n. OLIVIER (1122), *Macrolampis*, 9 spp. n. OLIVIER (1123), Bolivia, Brazil, *Photuris*, 3 spp. n. PANGELLA (1136), Paraguay and Argentina, *Passalidæ*, 4 spp. n. PIC (1170), Peru, *Anthicus*, 3 spp. n. PIC (1175), Brazil, *Petalium* n. sp. PIC (1176), Brazil, *Hylophilus* 7 spp. n. PIC (1182), *Astylus*, *Cathorama*, *Priotoma* n. sp. PIC (1188), *Priotoma* n. sp., *Lanthanus* n. sp. SPAETH (1430), *Cassididæ*, 14 spp. n. STIERLIN, Ann. Soc. ent. Belgique 1905, p. 140, S. Patagonia, *Otiorhynchus antarcticus.* THERY (1489), Guyaquil, *Ectinogonia* sp. n. VACHAL (1526), Chile, *Apidæ* n. g. WATERHOUSE (1590), *Buprestidæ*, 6 spp. n. WEISE (1609), Bolivia, n. g. *Cassididæ.* ZANG (1665), Peru and Bolivia, *Passalidæ*, 2 spp. n. ZANG (1667), Venezuela, *Verres* n. sp.

Hymenoptera. ANDRÉ (25), *Mutillidæ*, 7 spp. n. BRAUNS (176), Brazil, *Mesostenus*, 2 spp. n. BRÈTHES (187), La Plata, *Ichneumonidæ*, 4 spp. n., *Tetrastichus* n. sp. BRÈTHES (188), Tucumán, *Iphiaulax*

n. sp. BUYSSON (230), *Odynerus* sp. n. BUYSSON (231), Bahia, *Charterginus* sp. n. CAMERON (251), *Iphiaulax*, *Agathis*, 6 spp. n. COCKERELL (332), Ega, *Augochlora* sp. n. DUCKE (460), Parà, *Cleptes*, 2 spp. n. DUCKE (461), Social *Vespidæ*, n. genn., n. spp. DUCKE (462), Lower Amazons, *Zethus*, 3 spp. n. DUCKE (463), Obydos, *Melissa* sp. n. EMERY (493), Ecuador, *Ectatomma* sp. n. EMERY (494), *Camponotus*, 9 spp. n. ENDERLEIN (499), *Braconidæ*, 4 spp. n. ENDERLEIN (502), Peru and Bolivia, *Evaniidæ*, 8 spp. n. FOREL (591), *Formicidæ*, 8 spp. n. FRIESE (605), Chile, *Megachile* and *Cœlioxys*, 10 spp. n. IHERING (800), Brazil, *Vespidæ*, monograph, 3 spp. n. KIEFFER (841), Brazil n. g. *Dryinæ*. KONOW (884), S. Am. incl. Chile, *Tenthredinidæ*, 6 spp. n. KRIEGER (895), *Neotheronia*, 42 spp. n. MOCSÁRY (1055), *Rhyssa*, 7 spp. n. SCHROTTKY (1350), Argentina, Uruguay, Paraguay, Catalogue. SCHROTTKY (1351), Paraguay, *Apidæ*, 5 spp. n. SCHULZ (1359), *Trigonalidæ*, *Diploptera*, *Meliponides* n. spp. SZÉPLIGETI (1465), *Ophioninæ*, 3 spp. n.

Lepidoptera. CLARK (321), Venezuela, Margarita isld., *Rhopalocera*. DOGNIN (438), *Pyralidæ*, *Tortricidæ*, *Tineidæ*, 61 spp. n. DOGNIN (439), *Notodont.*, 3 spp. n., *Cossidæ*, 2 spp. n., *Lasiocamp.*, 3 spp. n. DOGNIN (440), Peru, *Eucereon*, *Ctenucha*, *Cymbalophora*, *Saturnia*, sp. n. DOGNIN (441), Peru and Colombia, *Hydrius*, *Perophora*, *Edebessa* spp. n. DOGNIN (442), Argentina, *Adelocephala* n. sp. DRUCE (453), *Noctuidæ*, 10 spp. n. DRUCE (454), Venezuela and Peru, *Syntomidæ*, *Arctiidæ*, 26 spp. n. DRUCE (455), N. W. S. Amer., *Notodontidæ*, 7 spp. n. DYAR (472), *Limacodidæ*, n. genn., n. spp. GODMAN (671), *Satyridæ*, 13 spp. n. HAENSCH (712), new *Ithomiinæ*. HAMPSON (715), Brazil, Patagonia etc., *Hadeninæ* n. spp. HAMPSON (716), third Suppl. to Cat. Lep. Phal., many spp. n., *Syntom.*, *Arct.*, *Noct.* HAMPSON (717), *Noctuidæ* n. spp. HAMPSON (718), Amazons, n. g. *Chrysauginæ*. KAYE (828), Brit. Guiana, *Napeogenes* and *Hyrmina* sp. n. ROTHSCHILD (1305), Bolivia, *Papilio* sp. n. SCHAUS (1329), *Bombyces*, about 400 n. spp. STICHEL & RIFFARTH (1452), *Heliconiidæ*, localities. THIEME (1490), *Pedaliodes*, 40 spp. n. THIERRY-MIEG (1493), *Geometridæ*, 7 n. spp., *Noctuidæ* n. g. WARREN (1568), Guiana, *Thyrididæ*, 8 spp. n. WARREN (1571), chiefly Peru, *Geometridæ*, *Uran.*, *Thyrid.*, 68 spp. n. WARREN (1572), *Thyrid.* sp. n., *Epiplemid.*, 3 spp. n., *Geometrid.* many spp. n. WEEKS (1594), Bolivia, lists, *Rhopalocera*, account of trip.

Diptera. ALDRICH (15), Brazil, *Psilopodinus*, 2 spp. n. BECKER (89), Ile des États, n. g. *Ephydridæ*. BEZZI (114), *Empidæ*, catalogue, many spp. n. BRÈTHES (188), Tucuman, *Leptogaster* n. g., *Asilidæ*, *Baccha*, *Euxesta* n. sp. BRUES (200), Peru, *Phoridæ*, 5 spp. n. COQUILLETT (371), Trinidad, *Culicidæ*, 2 spp. n. GOELDI (672), Brazil, *Chironomus* n. spp., *Hæmatomyidium* n. g., *Simulium* n. sp. HOLMGREN (756), Peru, *Termitomastidæ*, 2 spp. n. RIBEIRO (1265), Minas Geraes, *Nycteribiidæ* n. g. RÜBSAAMEN (1316), Brazil and Peru, *Cecid.*, galls etc., etc., n. spp. SPEISER (1437), *Lipoptena* sp. n. THEOBALD (1477), *Culicidæ*, 2 spp. n. THEOBALD (1478), Brit. Guiana, *Culicidæ*, 2 spp. n.

Aphaniptera. ENDERLEIN (508), Argentina, *Malacopsylla* n. sp. ROTHSCHILD (1301), Brazil, *Pulex* sp. n.

Hemiptera. SCHMIDT (1333), *Fulgoridæ*, 3 spp. n. SCHMIDT (1332), Ecuador, *Sassula* n. sp. BRÈTHES (188), Tucumán, *Jassus* n. sp. BREDDIN (184), *Pentat.*, 9 spp. n. BERGROTH (99), *Coreid.*, *Reduv.*, 5 spp. n. MONTANDON (1058), *Ranatra*, 3 spp. n. MONTANDON (1059), *Cryptocerata*, 3 spp. n. KIRKALDY (859), Peru, *Tingidæ*, 3 spp. n. JACOBI (807), Peru, *Jassidæ*, 50 spp. n. HORVÁTH (774), Peru, *Parajalysus*, 2 spp. n. DISTANT (429), Argentina, n.g. *Tibicininæ*. DISTANT (427), Rio Salado, *Derotettix* n. sp. DISTANT (426), Peru and

Chile, *Cicadidæ*, 2 spp. n. DISTANT (424), *Cicadidæ*, 2 spp. n. DISTANT (423), *Cicadidæ*, 9 spp. n. DISTANT (430), Bolivia, *Fulgoridæ*, 2 spp. n. DISTANT (425), Peru and Bolivia, *Cicadidæ*, 3 spp. n.

Coccidæ. COCKERELL, Paraguay, *Lecanium perlatum*, Nature lxxii, p. 397. COCKERELL (338), Paraguay and Chile, *Coccidæ*, 3 spp. n.

Trichoptera. ULMER (1517), 26 n. spp. ULMER (1518 A), 11 n. spp. ULMER (1518), Patagonia, *Limnophilus*, n. sp.

Perlidæ. ENDERLEIN (504), Tierra del Fuego, 3 n. spp.

Psocidæ. ENDERLEIN (497), Argentina, n. g. aff. *Troctes*.

Odonata. FÖRSTER (595), Paraguay, *Libellulidæ*, 3 spp. n. NEEDHAM (1090), Brazil, n. g. *Libellulinæ*.

Thysanura. ESCHERICH (525), Colombia and Blanquille, *Lepismatidæ*, 2 spp. n. SILVESTRI (1394), Chile, *Thysanura*, 3 spp. n. SILVESTRI (1397), Venezuela, *Nicoletia* n. sp.

Orthoptera. BOLÍVAR (128), Myrmecophilous *Blattidæ*, n. genn., n. spp. BOLÍVAR (130), Pernambuco, n. g. *Atractomorphinæ*. BORELLI (145), Paraguay, *Forficulidæ*, 5 spp. n. BRUNER (205), Paraguay, *Acridiidæ*, 2 spp. n. BURR (219), *Forficulidæ*, 2 spp. n. REHN (1237), Peru and Colombia, *Forficulidæ*, 3 spp. n. REHN (1240), Paraguay, n. g. *Acridiidæ*.

PALÆO-ENTOMOLOGY.

Table of the periods of first appearance of fossils, HANDLIRSCH (723).

Insects in copal, extraction of, their state of preservation, PROWAZEK (1219).

Diptera and *Hymenoptera* from Madagascar Copal, see MEUNIER (1040) and Systematic.

Monograph of *Psychodidæ* in Baltic amber, MEUNIER, Ann. Mus. Hungar. iii, pp. 235–255, pls. vi, vii.

Coleoptera.

ZANG, in SB. Ges. naturf. Berlin, 1905, describes the following *Col.* from Baltic amber.

Platycerus berendti, p. 199, pl. f. 1, **n. sp.**

Aphodius succini, p. 204, pl. f. 5, **n. sp.**

Pogonochærus jackeli, p. 233, pl. f. 5, **n. sp.**

Nothorrhina granulicollis, p. 236, pl. f. 1, **n. sp.**

Dorcaschema succineum, p. 240, pl. f. 6, **n. sp.**

Strangalia berendtiana, p. 243, pl. f. 4, **n. sp.**

Re-examination of Berendt's determinations of *Longicornia* in Baltic amber, ZANG, pp. 232–245, 1 pl., t. c.

Hymenoptera.

Dimorphomyrmex theryi, Baltic amber, EMERY, p. 188, Bull. Soc. ent. France 1905, **n. sp.**

Gonatocerus henneberti, Baltic amber, MEUNIER, p. 2, Miscell. ent. xiii, **n. sp.**

Limacis armata, Baltic amber, id. p. 3, t. c. **n. sp.**

Diptera (Cecidomyiidæ).

Meunieria **n. g.** for *Miastor* of amber, KIEFFER, p. 408, Ann. Soc. Bruxelles xxviii.

Diptera (Psychodidæ).

Palæosycorax **n. g.** *tertiariæ* **n. sp.**, Baltic amber, MEUNIER, p. 50, Miscell. ent. xiii.

Pericoma formosa, p. 243, *speciosa*, p. 244, Baltic amber, MEUNIER, t. c. **n. spp.**
Psychoda eocenica, Baltic amber, MEUNIER, p. 246, t. c. **n. sp.**
Trichomyia pulchra, p. 246, *formosula*, *concinna*, p. 247, *decora*, *tenera*, p. 248, *procera*, p. 249, *nova*, *distincta*, p. 250, Baltic amber, MEUNIER, t. c. **n. spp.**
Diplonema crassicornis, Baltic amber, MEUNIER, p. 251, Ann. Mus. Hungar. iii, **n. sp.**
Sycorax tumultuosa, *prompta*, Baltic amber, MEUNIER, p. 253, t. c. **n. spp.**
Eatonisca **n. g.** *tertiaria* **n. sp.**, Baltic amber, MEUNIER, p. 253, t. c.
Phlebotomus tipuliformis, Baltic amber, MEUNIER, p. 254, t. c. **n. sp.**

Diptera (Mycetophilidæ).

MEUNIER, Ann. Soc. Bruxelles, gives a table of fossil *Mycetophilidæ*, pp. 93–100, and describes the following new forms from Baltic amber:
Mycetobia calida, p. 101, t. c. **n. sp.**
Macrocera longicornis, *abundans*, p. 102, *ciliata*, *filiformis*, p. 104, *elegantissima*, p. 105, t. c. **n. spp.**
Platyura kunowi, p. 107, *veralli*, p. 108, *graciosa*, p. 109, *moniliformis*, p. 110, *ectorsii*, p. 111, *mikii*, *distincta*, p. 112, *ceroplatoïdes*, *ceroplatites*, p. 114, t. c. **n. spp.**
Asindulum longipalpis, p. 115, *girschneri*, *curvipalpis*, p. 116, *elegantulus*, p. 117, t. c. **n. spp.**
Sciophila helmi, p. 124, *subquadrata*, *crassicornis*, p. 125, t. c. **n. spp.**
Empheria minor, p. 126, *major*, p. 127, t. c. **n. spp.**
Polylepta filipes, p. 127, t. c. **n. sp.**
Ceroplatus major, p. 183, t. c. **n. sp.**
Palæoempalia crassipes, p. 128, *brongniarti*, *succini*, p. 129, *mutabilis*, *broeckii*, p. 130, *cylindrica*, p. 184, t. c. **n. spp.**
Empalia subtriangularis, p. 131, t. c. **n. sp.**
Loewiella indistincta, *incompleta*, p. 132, *tenebrosa*, *ciliata*, p. 133, *mucronata*, *asinduloïdes*, p. 134, *empalioïdes*, p. 135, t. c. **n. spp.**
Lasiosoma curvipetiolata, p. 135, t. c. **n. sp.**
Tetragoneura elongatissima, *elongata*, p. 136, *rectangulata*, *glabra*, p. 137, *borussica*, *gracilis*, p. 138, *minuta*, p. 139, t. c. **n. spp.**
Syntemna elongata, *pinites*, p. 150, *compressa*, p. 151, *subcylindrica*, p. 152, *subquadrata*, *sciophiliformis*, p. 153, t. c. **n. spp.**
Palæoannaclinia **n. g.** *curvipetiolata*, p. 154, *distincta*, *affinis*, p. 155, MEUNIER, t. c. **n. spp.**
Proanaclinia **n. g.** *giebeli*, *gibbosa* **n. spp.**, MEUNIER, p. 156, t. c.
Anaclileia **n. g.** *anacliniformis*, p. 157, *sylvatica*, *gazagnairei*, p. 158, *dissimilis*, p. 159, MEUNIER, t. c. **n. spp.**
Palæophthinia **n. g.** *aberrans* **n. sp.**, MEUNIER, p. 160, t. c.
Archæboletina **n. g.** *tipuliformis* **n. sp.**, MEUNIER, p. 160, t. c.
Palæoboletina **n. g.** *grandis*, p. 161, *elongatissima*, p. 162, **n. spp.**, MEUNIER, t. c.
Proboletina **n. g.** *syntemniformis* **n. sp.**, MEUNIER, p. 162, t. c.
Boletina anacliniformis, p. 163, *onstaleti*, *pilosa*, *fimbriata*, p. 164, *hirta*, p. 165, *hirtella*, *subhirta*, p. 166, *conspicua*, *serrata*, p. 167, t. c. **n. spp.**
Proneoglaphyroptera **n. g.** *eocenica* **n. sp.**, MEUNIER, p. 169, t. c.
Neoglaphyroptera curvipetiolata, p. 170, *longipetiolata*, p. 170, *crassipalpis*, *longipalpis*, p. 171, t. c. **n. spp.**
Palæodocosia **n. g.** *brachypezoïdes* **n. sp.**, MEUNIER, p. 172, t. c.
Docosia petiolata, p. 173, *varia*, *subtilis*, p. 174, t. c. **n. spp.**
Allodia fungicola, *succinea*, p. 175, *separata*, *brevicornis*, p. 176, t. c. **n. spp.**
Brachycampta extincta, p. 177, *antiqua*, *procera*, *tomentosa*, p. 178, t. c. **n. spp.**
Palæotrichonta **n. g.** *brachycamptites* **n. sp.**, MEUNIER, p. 179, t. c.

Trichonta brachycamptoïdes, p. 179, *crassipes*, p. 180, t. c. **n. spp.**
Phronia ciliata, t. c. p. 180, **n. sp.**
Palæoepicypta **n. g.** *longicalcar* **n. sp.**, MEUNIER, p. 181, t. c.
Mycothera cordyliformis, *agilis*, p. 182, t. c. **n. spp.**
Dynatosoma crassicornis, p. 172, t. c. **n. sp.**
Azana rarissima, p. 184, t. c. **n. sp.**
Acnemia bolsiusi, p. 185, t. c. **n. sp.**

Diptera (*Chironomidæ*).

MEUNIER, in the same work, Ann. Soc. Bruxelles xxviii, describes the following new *Chironomidæ* from Baltic amber

Chironomus vagabundus, p. 209, *tenebrosus*, *elegantulus*, p. 210, *umbraticus*, *meticulosus*, p. 211, *umbrosus*, *inglorius*, p. 212, *subobscurus*, *uliginosus*, p. 213, *tenebricosus*, *abietarius*, p. 214, *paludosus*, *uliginosus* (sic), p. 214, *lacunus*, *lacus*, p. 216, t. c. **n. spp.**

Cricotopus crassicornis, p. 216, *antiquus*, p. 217, *amniculus*, *alluvionis*, p. 218, *pygmæus*, *delicatus*, p. 219, *robustus*, *permutabilis*, p. 220, *variabilis*, *pulchellus*, p. 221, *ambiguus*, p. 222, *dilapsus*, *abiegnus*, p. 223, *paganus*, *insolitus*, p. 224, *saltuosus*, *coniferus*, p. 225, *exstinctus*, *nemorivagus*, p. 226, *minutissimus*, *minutus*, p. 227, t. c. **n. spp.**

Tanytarsus insularis, p. 228, *wulpii*, *maritimus*, p. 229, t. c. **n. spp.**

Eurycnemus vulgaris, p. 229, *stagnum*, *tenellus*, p. 230, *appendiculatus*, *hyalinus*, *pilosellus*, p. 231, t. c. **n. spp.**

Camptocladius flexuosus, *sinuosus*, p. 232, t. c. **n. spp.**

Tanypus fusiformis, p. 233, *porrectus*, *compactus*, p. 234, *subrotundatus*, *eridanus*, p. 235, *longicornis*, *parvus*, p. 236, *filiformis*, p. 237, t. c. **n. spp.**

Ceratopogon turbinatus, *unculus*, p. 238, *piriformis*, *prominulus*, p. 239, *eminens*, *defectus*, *speciosus*, p. 240, *flagellus*, p. 241, *elongatus*, *cothurnatus*, p. 242, *lacus*, p. 243, *falcatus*, p. 244, *sinuosus*, *spinosus*, p. 245, *forcipiformis*, *obtusus*, *gracilitarsis*, p. 247, t. c. **n. spp.**

Diptera (*Muscidæ acal.*).

Agromyza minuta, p. 90, *aberrans*, p. 91, Baltic amber, MEUNIER, Ann. Soc. Bruxelles xxix, **n. spp.**

Psocidae.

Amphientomum colpolepis, p. 577, *leptolepis*, p. 580, Prussian amber, ENDERLEIN, Zool. Anz. xxix, **n. spp.**

III. SYSTEMATIC.

N.B.—The reference numbers collected under the headings of the various groups refer to "Titles" on pp. 5–86, and are intended to give, in each case, a complete list of all memoirs containing anything of importance in connection with the group.

Table of affinities of winged Insects, VOSS, Zeitschr. wiss. Zool. lxxviii, p. 736.

List of Insects that have been found in copal, MEUNIER, pp. 204–209, Rev. Sci. Bourbonnais 1905.

Introduction to N. American entomology, KELLOG (834): includes some general chapters, e.g. Insects and flowers, Insects and disease, Colour and its uses.

Malpighian tubes, no. of in the Orders, structure and function, VENEZIANI (1536).

(A.) *COLEOPTERA.*

Corrections to Munich Cat. in relation to Klug's nomenclature in Insekten Madagaskar's, GEBIEN (645).
Wing-nervures of *Coleoptera*, KEMPERS, Tijdschr. Ent. Verslag, pp. li–lv.
Defensive glands, BORDAS (142).
Morphology of abdomen ♀, WANDOLLECK (1565).
Anomalous larva in *Yucca*, California, BARKER, pp. 117–121, cuts, P. ent. Soc. Washington vii.

CICINDELIDÆ.

[Memoirs relating to *Cicindelidæ*: HEATH (731), HORN (762–772), MAINDRON & FLEUTIAUX (1002), SLOANE (1411), WICKHAM (1630).]

Cicindelidæ of S. India, habits etc., MAINDRON & FLEUTIAUX, Ann. Soc. ent. France 1905, pp. 1–19.
A list of *Cicindelidæ*, with varr. n., HORN (762).
Cicindelidæ of Western France, HOULBERT & MONNOT (785).
Herbivorous [?] *Cicindelidæ*, HORN, p. 172, Deutsche ent. Zeitschr. 1905.
Larvæ burrowing in stems and twigs, SHELFORD, p. lxxii, P. ent. Soc. London 1905.

Cicindela japonica varr. p. 185, *germanica*, var. p. 186, BEUTHIN, Soc. ent. xix; *C. reducta* Motsch. =(*pudibunda* Boh.), *C. chersonensis* Motsch. is small *sahlbergi*, HORN, p. 296, Deutsche ent. Zeitschr. 1905; *C. peringueyi immaculipennis* subsp. n., HORN, p. 151, Deutsche ent. Zeitschr. 1905; *C. hybrida* and Siberian forms, validity of, *C. transbaicalica magnifica* subsp. n., p. 156, HORN, pp. 153–159, Deutsche ent. Zeitschr. 1905; *C. viridilabris* var. n. *fuscocuprascens*, p. 60, *belli* var. n. *umbropolita*, p. 61, HORN, Deutsche ent. Zeitschr. 1905; *C. discrepans*, pl. 1, f. 3, *rugosiceps*, f. 4, *malabarica*, f. 5, p. 14, MAINDRON & FLEUTIAUX, Ann. Soc. ent. France 1905.
C. hafligeri, E. Africa, HORN, p. 281, Stettin ent. Zeit. lxvi; *C. hauserana*, p. 143, *ocellifera*, p. 144, E. Africa, HORN, Deutsche ent. Zeitschr. 1905; *C. bellana*, Kurrachee, HORN, p. 63, Deutsche ent. Zeitschr. 1905; *C. excisilabris*, New Guinea, HORN, p. 160, Deutsche ent Zeitschr. 1905; *C. hackeri*, p. 229, *doddi*, p. 230, *plebeia*, p. 232, *curvicollis*, p. 233, Australia, SLOANE, P. Linn. Soc. N. S. Wales xxx; *C. parowana*, Utah, WICKHAM, p. 165, Canad. Ent. 1905: **n. spp.**
Collyris saundersi continentalis subsp. n., HORN, p. 295, Deutsche ent. Zeitschr. 1905.
C. planifrons, Ceylon, p. 293, *maindroni*, Travancore, p. 294, *contracta*, Siam, p. 295, HORN, Deutsche ent. Zeitschr. 1905, **n. spp.**
Derocrania longesulcata, pl. i, f. 1, p. 8, MAINDRON & FLEUTIAUX, Ann. Soc. ent. France 1905.
Euryoda paradoxa, pl. i, f. 2, p. 9, MAINDRON & FLEUTIAUX, t. c.
Megacephala, spp. doubted, *M. regalis baby* subsp. n., HORN, p. 159, Deutsche ent. Zeitschr. 1905.
M. steinheili, S. America, HORN, p. 51, Index Cicind., **n. sp.**
Odontochila kigonserana, E. Africa, p. 278, *cicindeloides*, Madagascar, p. 279, HORN, Stettin ent. Zeit. lxvi; *O. curvipennis*, Amazons, HORN, p. 220, Notes Leyden Mus. xxv; *O. eurytarsipennis*, Peru, HORN, Deutsche ent. Zeitschr. 1905, p. 148: **n. spp.**
Ophryodera distanti, Angola, HEATH, p. 97, f. 1, Entomologist 1905, **n. sp.**
Oxygonia, characters, with notes on *Odontochilini*, HORN, pp. 145–148, Deutsche ent. Zeitschr. 1905.

Pogonostoma septentrionale simplex subsp. n., FLEUTIAUX, p. 65, Deutsche ent. Zeitschr. 1905.
P. fleutiauxi, Madagascar, HORN, p. 276, Stettin ent. Zeit. lxvi, **n. sp.**
Tetracha carolina in Baltic amber, ZANG & HORN, SB. Ges. naturf. Berlin 1905.
T. lateralis Amazons, p. 219, HORN, Notes Leyden Mus. xxv, **n. sp.**
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Hydræna gracilis var. n. *samnitica*, FIORI, p. 248, Riv. Col. ital. ii.

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Philhydrus circumductus, p. 213, *anticus* with var. *fulvescens*, p. 214, *reductus*, *erythræus*, p. 215, Erythrea, RÉGIMBART, t. c. **n. spp.**

Sphæridium scarabæoides, spread in N. America, BARBER, p. 127, P. ent. Soc. Washington vii, and KNAB, p. 53, Ent. News Philad. xvi.

STAPHYLINIDÆ.

[Cf. BERNHAUER (102–105), BILLARD & BRUYANT (117), CASEY (285), FAUVEL (544–547, 549, 550), LUZE (992–995), PEYERIMHOFF (1160), PORTA (1213, 1214), REITTER (1249, 1251, 1254), WASMANN (1585, 1588).]

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Acalophæna compacta, Arizona, *horridula*, Mexico, CASEY, p. 146, t. c. **n. spp.**

Acanthoglossa hova, *longiceps*, Madagascar, FAUVEL, p. 158, Rev. Ent. franc. 1905, **n. spp.**

Acidota, revision of palæarctic, LUZE, pp. 69–79, Verh. Ges. Wien 1905.

A. clandestina, Croatia, p. 75, *minuta*, Morea, p. 76, *sculpturata*, Caucasus, p. 77, id. t. c. **n. spp.**

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Acylophorus delphinus, Madagascar FAUVEL, p. 181, t. c. **n. sp.**

Aderobium **n. g.** type *Cryptobium angustifrons* Sharp, CASEY, p. 28, Tr. Ac. St. Louis xv.

Aleochara capitata=(*Microglossa rugipennis* Luze), BERNHAUER, p. 596, Verh. Ges. Wien 1905.

A. (*Rheochara*) *fenyesi*, California, BERNHAUER, p. 255, Deutsche ent. Zeitschr. 1905, **n. sp.**

Alianta pictipennis, Perim, FAUVEL, p. 142, Rev. Ent. franc. 1905; *A. rudis*, Africa, FAUVEL, p. 198, t. c. : **n. spp.**

Amaurodera **n. g.** for *Falagria veluticollis* Motsch., *opacicollis* Kr., and *Astilbus opacicollis* Epp., FAUVEL, p. 142, t. c.

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Ancœus nitidissimus, Engano, BERNHAUER, p. 10, Deutsche ent. Zeitschr. 1905, **n. sp.**

Anchocerus **n. g.** near *Acylophorus*, *birmanus* **n. sp.**, Burma, FAUVEL, p. 141, Rev. Ent. franc. 1905.

Ancyrophorus emarginatus=(*Psilotrichus elegans* Luze), BERNHAUER, p. 596, Verh. Ges. Wien 1905.

Anisolinus raffrayi, p. 180, *anthracinus*, p. 181, Madagascar, FAUVEL, Rev. Ent. franc. 1905, **n. spp.**

Apteralium **n. g.** for part of *Lathrobium*, p. 77, *A. carolinae* **n. sp.**, N. America, p. 78, CASEY, Tr. Ac. St. Louis xv.

Astenus perangustus, p. 153, *punctipennis*, *perrieri*, p. 154, *psilographus*, p. 155, Madagascar, FAUVEL, Rev. Ent. franc. 1905, **n. spp.**

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Biocrypta **n. g.** for *Cryptobium perspiciens* Lec., CASEY, p. 51, Tr. Ac. St. Louis xv.

Bledius lecontei n. n. for *cribricollis* Lec., *B. monstratus* Casey queried, BERNHAUER, p. 14, Deutsche ent. Zeitschr. 1905.

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Borboropora kraatzi in putrid snails, CHABANAUD, p. 207, Bull. Soc. ent. France 1905.

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Brachydirus bang-haasi, p. 184, *nigroscutellatus*, Bolivia, *occipitalis*, Costa Rica, p. 185, *major*, Peru, p. 186, *speciosus*, Bolivia, p. 187, BERNHAUER, Deutsche ent. Zeitschr. 1905, **n. spp.**

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Conurus pulchricolor, p. 183, *gracilicornis*, *connexus*, p. 184, Madagascar, FAUVEL, Rev. Ent. franc. 1905, **n. spp.**

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Cryptobiella **n. g.** *colonica* **n. sp.**, Panama, CASEY, p. 29, Tr. Ac. St. Louis xv.

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Deratopeus **n. g.** near *Tetartopeus*, p. 112, *parvipennis* **n. sp.**, Massachusetts, p. 113, CASEY, Tr. Ac. St. Louis xv.

Dibelonetes alluaudi, Madagascar, FAUVEL, p. 152, Rev. Ent. franc. 1905, **n. sp.**

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Edaphus dentiventris, Singapore, FAUVEL, p. 137, Rev. Ent. franc. 1905; *E. densatus*, Java, FAUVEL, p. 81, Mt. Mus. Hamburg xxii : **n. sp.**

Erchomus ampliatus, Gaboon, FAUVEL, p. 198, Rev. Ent. franc. 1905; *E. retipennis*, p. 182, *madecassa*, p. 183, Madagascar, FAUVEL, t. c.; *E. planus*, Tonkin, FAUVEL, p. 142, t. c. : **n. spp.**

Eucryptina **n. g.** type *Cryptobium opacum* Sharp, CASEY, p. 28, Tr. Ac. St. Louis xv.

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Gauropterus bucharicus, Buchara, BERNHAUER, p. 585, Verh. Ges. Wien 1905, **n. sp.**

Geostiba peyerimhoffi, Algeria, FAUVEL, p. 193, Rev. Ent. franc. 1905, **n. spp.**

Gnypeta lucens, California, BERNHAUER, p. 254, Deutsche ent. Zeitschr. 1905, **n. sp.**

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Heterolinus distinctus, Chanchamayo, BERNHAUER, p. 17, Deutsche ent. Zeitschr. 1905, **n. sp.**

Holotrochus, descriptions, FAUVEL, pp. 135–137, Rev. Ent. franc. 1905.

H. brevipennis, Brazil, BERNHAUER, p. 15, Deutsche ent. Zeitschr. 1905, **n. sp.**

Homalium vaulogeri, Tunis, FAUVEL, p. 192, Rev. Ent. franc. 1905, **n. sp.**

Homalota nigrescens, Sumatra, FAUVEL, p. 147, t. c. **n. sp.**

Homoeusa acuminata, habits, WASMANN, pp. 418–420, Zeitschr. Insbiol. i.

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Ocyusa maura, *picina*, distinguished, CHITTY, p. 91, Ent. Mag. 1905.
Oligopterus remotus, p. 181, *filum*, *flexilis*, p. 182, N. America, CASEY, Tr. Ac. St. Louis xv, **n. spp.**
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Stenus; locomotion on water, BILLARD & BRUYANT, C.R. Soc. Biol. lix, p. 103; *S. auliensis* Bernh. and *parilis* Luze identical, BERNHAUER, p. 596, Verh. Ges. Wien 1905.

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PSELAPHIDÆ.

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Tychus depexus, Algeria, PEYERIMHOFF, p. 229, Bull. Soc. ent. France 1905, **n. sp.**

PAUSSIDÆ.

The genera of *Paussidæ* and lists of the species, DESNEUX, Gen. ins. fasc. xxxv, 34 pp., 2 pls.

Corrections to Wasmann's paper of last year, WASMANN, p. 110, Notes Leyden Mus. xxv.

Ceratoderus andrewesi, Nilgiri hills, DESNEUX, p. 194, Ann. Soc. ent. Belgique 1905, **n. sp.**

Euplatyrhopalus **n. g.** for part of *Platyrhopalus*, DESNEUX, p. 18, Gen. ins. fasc. xxxv.

Platyrhopalopsis **n. g.** for *P. mellyi* and *picteti*, DESNEUX, p. 20, t. c.

PLATYPSYLLIDÆ.

Platypsyllus castoris, food, etc., BUSIGNY, p. 108, Bull. Soc. ent. France 1905 ; *P. castoris*, habits, food, MINGAUD, pp. 161, 162, Feuill Natural. xxxv.

SCYDMÆNIDÆ.

[Cf. HOLDHAUS & WAGNER (754), REITTER (1247, 1254), SCHAEFFER (1323).]

Cephennium (*Cephennarium*) *insulare*, *tarsale*, p. 33, *nobile*, p. 35, HOLDHAUS, Riv. Col. ital. iii, **n. spp.**

Euconnus (*Tetramelus*) *leonhardi*, Cephalonia, REITTER, p. 242, Wien. ent. Zeit. xxiv, **n. sp.**

Lophioderus atlanticus, N. Carolina, SCHAEFFER, p. 123, Bull. Brooklyn Inst. i, **n. sp.**

Scydmænichnus subg. n. of *Stenichus*, *fossifrons*, *cecconii* **n. spp.**, Cyprus, REITTER, p. 99, Wien. ent. Zeit. xxiv.

SILPHIDÆ.

[Cf. ABEILLE (4), CHOBAUT (311), DEVILLE (409), FLEISCHER (575), MÜLLER (1078), PEYERIMHOFF (1161, 1162), REITTER (1246), SCHOUTEDEN (1345).]

Ablattaria subtriangula, Spain, REITTER, p. 90, Wien. ent. Zeit. xxiv, **n. sp.**

Bathyscia mascarauxi, *jeanneli*, distinct, DEVILLE, p. 231, Bull. Soc. ent. France 1905; *B. pueli*, *B. nemausica*, synonymy and variation, CHOBAUT, p. 250, Bull. Soc. ent. France 1905; *B. aubei*, distribution, CHOBAUT, p. 293, variation, distribution, pp. 297–303, subsp. n. *niccænsis*, p. 300, PEYERIMHOFF, Bull. Soc. ent. France 1905; *B. chardoni* = (*pueli* Chob.) *linderi* = (*nemausica* Chob.), ABEILLE, p. 209, Bull. Soc. ent. France 1905.

B. mascarauxi, Basses Pyrénées, DEVILLE, p. 160, Bull. Soc. ent. France 1905; *B. bucheti*, Nice, ABEILLE, p. 208, Bull. Soc. ent. France 1905: **n. spp.**

Catops rescissicollis, Algeria, PEYERIMHOFF, p. 230, Bull. Soc. ent. France 1905, **n. sp.**

Choleva blackburni n. n. for *antipodum* Bl., PORTEVIN, p. 49, Bull. Soc. ent. France 1905.

Dissochætus Portevin and its two species were previously (1885) described by Reitter; REITTER, p. 199, Wien. ent. Zeit. xxiv.

Eusilpha: the synonymy, PORTEVIN, p. 51, Bull. Soc. ent. France 1905.

Hyponecrodes; characters of species, synonymy, PORTEVIN, pp. 49, 50, t. c.; *H.*, tabulation, with *Katanecrodes* subg. n. for *biguttatus apicalis* and *anticola*, SCHOUTEDEN, pp. 195–199, Ann. Soc. ent. Belgique 1905.

Katanecrodes **subg. n.** cf. *Hyponecrodes*.

Leptoderus hohenwarti reticulatus subsp. n., MÜLLER, p. 32, Wien. ent. Zeit. xxiv.

Liodes rotundata Er. is var. of *pallens*, *L. algirica* = (*heydeni* and *bipunctata* Rag.) p. 314, *distinguenda* Fairm. has *montana* Halbh. as ab., p. 315, FLEISCHER, Wien. ent. Zeit. xxiv.

Liodes cinnamomea, *humeralis*, *grandis*, *anglica*, *oblonga*, *simplex*, all one species, FLEISCHER, pp. 269–272, t. c.

Necrophorus basalis Fald., PORTEVIN, p. 51, Bull. Soc. ent. France 1905.

Oryotus schmidti subdentatus subsp. n., MÜLLER, p. 32, Wien. ent. Zeit. xxiv.

Pteromerula **subg. n.** of *Liodes* for *pallens* Sturm., FLEISCHER, p. 314, Wien. ent. Zeit. xxiv.

Silpha fairmairei n. n. for *bituberosa* Fairm., PORTEVIN, p. 50, Bull. Soc. ent. France 1905.

Thanatophilus tuberculatus, *rugosus*, distinguished, PORTEVIN, p. 50, t. c.

SCAPHIDIIDÆ.

Scaphisoma agaricinum var. n. *punctipenne*, PETZ, p. 100, Wien. ent. Zeit. xxiv; *S. agaricinum robustior* var. n., PIC, p. 169, Echange xxi.

S. flavonotatum, Algeria, PIC, p. 129, t. c. **n. sp.**

HISTERIDÆ.

[Cf. FIORI (563), LEWIS (951–954), VIEHMEYER (1548), WASMANN (1588).]

Catalogue of the family, 2306 species, LEWIS (951).

Abræus fakir, India, LEWIS, p. 349, Ann. Nat. Hist. (7) xvi, **n. sp.**
Chalcurgus brevipennis, pl. x, f. 8, LEWIS, t. c.
Coryphæus violaceus, Borneo, LEWIS, p. 347, t. c. **n. sp.**
Cylistosoma **n. g.** type *Platysoma richteri*, LEWIS, p. 302, op. cit. xv.
C. epilissum, Madagascar, LEWIS, p. 344, op. cit. xvi, **n. sp.**
Eblisia tenuipes, Yunnan, LEWIS, p. 345, t. c. **n. sp.**
Hetærius ferrugineus, habits, VIEHMEYER, Zeitschr. Insbiol. i, p. 242; WASMANN, t. c. pp. 330–332.
Hister aino, pl. x, f. 3, *latistrius*, f. 4, LEWIS, Ann. Nat. Hist. (7) xvi.
H. laqueatus, Cameroons, LEWIS, p. 303, op. cit. xv; *H. dauphini*, Madagascar, LEWIS, p. 346, op. cit. xvi; *H. impiger*, Yunnan, LEWIS, p. 609, t. c.: **n. spp.**
Hololepta feæ, pl. x, f. 1, LEWIS, t. c.
H. trulla, Centr. Africa, LEWIS, p. 302, op. cit. xv, **n. sp.**
Lioderma intersectum, pl. x, f. 2, LEWIS, op. cit. xvi.
L. acutipectum, W. Africa, LEWIS, p. 302, op. cit. xv, **n. sp.**
Lissosternus **n. g.** p. 347, *gracilipes*, **n. sp.**, Bahia, p. 348, pl. x, f. 10, LEWIS, op. cit. xvi.
Macrolister striatisternus, Angola, LEWIS, p. 345, t. c. **n. sp.**
Notodoma saturum, pl. x, f. 9, p. 347, LEWIS, t. c.
Omalodes bullatus, Goyaz, *tuberculatus*, Fr. Guiana, LEWIS, p. 608, t. c. **n. spp.**
Pachycrærus sulcicollis, f. 5, 6, *princeps*, f. 7, pl. x, LEWIS, t. c.
Paratropus chelonitis, Abyssinia, LEWIS, p. 610, t. c. **n. sp.**
Plæsius hamatus, Tonkin, p. 342, *asperimargo*, Burma, *striatipectus*, New Britain, p. 343, LEWIS, t. c. **n. spp.**
Platysoma pullum Gerst. to *Pachycrærus*, LEWIS, p. 609, t. c.
P. rimæ, N. W. India, LEWIS, p. 343, t. c.; *P. lævidorsum*, New Guinea, p. 605, *rosselense*, Louisiade Arch., *rufopygum*, p. 606, *pygidiale*, Sumatra, *dorsale*, S. India, p. 607, LEWIS, t. c.: **n. spp.**
Plegaderus rumaniæ, Roumania, LEWIS, p. 610, t. c. **n. sp.**
Pygocælis strigifrons, Madagascar, LEWIS, p. 605, t. c. **n. sp.**
Saprinus conjungens = (*Xenonychus rotundatus* Fiori), FIORI, p. 96, Natural. Sicil. xviii.
S. sinaiticus Crotch, 1871, **n. sp.** but not recorded, SHARP, p. 520, Ann. Nat. Hist. (7) xv; *S. cæruleatus*, Madagascar, LEWIS, p. 611, Ann. Nat. Hist. (7) xvi, **n. sp.**
Sternocælis lævidorsis major var. n., PIC, p. 129, Echange xxi.
Teretrius distinctus, habits, LEWIS, p. 605, Ann. Nat. Hist. (7) xvi.
Xenonychus rotundatus, Rome, FIORI, p. 4, Natural. Sicil. xviii, **n. sp.** (but cf. *Saprinus*).

NITIDULIDÆ.

[Cf. FIORI (569), REITTER (1255), SCHAEFFER (1324).]

Brachypterus rotundicollis, Texas, SCHAEFFER, p. 146, Bull. Brooklyn Inst. i, **n. sp.**
Cybocephalus festivus var. n. *Clypeoniteus*, FIORI, p. 136, Riv. Col. ital. iii.
C. marginatus, Bologna, FIORI, p. 134, t. c. **n. sp.**
Pocadius pilistriatus, habits, FROGGATT, p. 229, Agric. Gaz. N. S. W. xvi.
Rhizophagus brancsiki, Herzegowina, REITTER, p. 312, Wien. ent. Zeit. xxiv, **n. sp.**

Trogositidæ.

[Cf. Léveillé (947–949).]

Acrops perraudierei, Tonkin, Léveillé, p. 38, Ann. Soc. ent. France 1905, **n. sp.**

Airora bituberculata, Brazil, Léveillé, p. 45, t. c.; *A. vicina*, Brazil, p. 30, *ferruginea*, Venezuela, p. 31, Léveillé, t. c. : **n. spp.**

Alindria auberti, China, Léveillé, p. 92, Bull. Soc. ent. France 1905, and p. 31, Ann. Soc. ent. France 1905, **n. sp.**

Ancyrona plana, p. 38, *bouchardi*, *soror*, p. 41, Léveillé, t. c.

A. feai, *brunneolimbata*, *congolensis*, Africa, Léveillé, p. 93, Bull. Soc. ent. France 1905, and pp. 30, 39, Ann. Soc. ent. France 1905 ; *A. brunnea*, *elongata*, India, Léveillé, p. 42, t. c. ; *A. javanica*, Java, Léveillé, p. 179, Bull. Soc. ent. France 1905 : **n. spp.**

Corticotomus sharpi, Mexico, Léveillé, p. 29, Ann. Soc. ent. France 1905, **n. sp.**

Gaurambe, table of species, Léveillé, p. 43, t. c.

Lophocateres gounellei, Brazil, Léveillé, p. 179, Bull. Soc. ent. France 1905, **n. sp.**

Nemosoma cornutum varr. n. *reitteri*, *starcki*, Pic, p. 121, Echange xxi.

Nemozomia pujoli, Léveillé, p. 29, Ann. Soc. ent. France 1905.

N. fulva, Brazil, Léveillé, p. 44, t. c. **n. sp.**

Tenebroides jatahyensis, *donckieri*, p. 36, Léveillé, t. c.

T. similis, Brazil, p. 34, *nigrocyaneus*, Paraguay, p. 35, *passeti*, Brazil, p. 37, Léveillé, t. c. ; *T. nemozomiæformis*, p. 46, *importunus*, p. 47, *scaberrimus*, p. 48, *alutaceus*, p. 49, Léveillé, t. c. ; *T. boggianii*, Paraguay, Léveillé, p. 92, Bull. Soc. ent. France 1905, and p. 34, Ann. Soc. ent. France 1905 : **n. spp.**

Temnochila biolleyi and *boliviensis*, Léveillé, p. 33, Ann. Soc. ent. France 1905.

T. grilloi, Brazil, Léveillé, p. 92, Bull. Soc. ent. France 1905, and p. 32, Ann. Soc. ent. France 1905, **n. sp.**

Colydiidæ.

Bothrideres ; larval habits, Hopkins, p. 26. P. ent. Soc. Washington vii.

Cautomus monstruosus, Liberia, Grouvelle, p. 109, Bull. Soc. ent. France 1905, **n. sp.**

Nepharis goudiei, Australia, Lea, p. 377, pl. xxvii, figg. 3, 9, P. Soc. Victoria xvii, **n. sp.**

Cucujidæ and Cryptophagidæ.

Catogenus rufus, larval habits, Fiske, p. 90, P. ent. Soc. Washington vii.

Læmophlœus (*Silvanophlœus*) *mirus*, Madagascar, Grouvelle, p. 142, Bull. Soc. ent. France 1905, **n. sp.**

Atomaria prolixa and *pulchra*, distinguished, Gerhardt, p. 271, Deutsche ent. Zeitschr. 1905.

Cryptophagus pubescens var., Mjöberg, p. 200, Ent. Tidskr. xxvi.

Lathridiidæ.

[Cf. Brèthes (190), Pic (1174), Wasmann (1588).]

Coccidophilus **n. g.** near *Fallia*, p. 76, *citricola* **n. sp.**, Argentina, p. 77, destroying *Mytilaspis*, Brèthes, An. Soc. Argent. lix.

Coluocera maderæ, relations with *Prenolepis*, WASMANN, pp. 384–390, Zeitschr. Insbiol. i.
Dasycerus beloni, numidicus, N. Africa, PIC, p. 103, Rev. Ent. franc. 1905, **n. spp.**
Enicmus minutus and *anthracinus* the supposed sexes, GERHARDT, p. 224, Deutsche ent. Zeitschr. 1905.
Lathridius nodifer ♂ characters, REITTER, p. 199, Wien. ent. Zeit. xxiv.

MYCETOPHAGIDÆ and DERMESTIDÆ.

Mycetophagus tschitscherini distinguished from *irroratus*, REITTER, p. 199, Wien. ent. Zeit. xxiv.
Satorystia **n. g.** near *Litargus, meschniggi*, Hungary, **n. sp.**, REITTER, p. 244, t. c.
Dermestes murinus subvar. n. *nigriceps*, REITTER, p. 244, t. c.
Thaumatoglossa americana, antenna of ♂ and ♀, BARBER, p. 10, cuts, P. ent. Soc. Washington vii.

BYRRHIDÆ.

[Cf. PIC (1184), REITTER (1246), SHARP (670).]

Chelonarium scabrosum, gravidum, prolixum, p. 689, *ducale*, p. 690, Centr. America, SHARP, Biol. Centr.-Amer. Col. ii, pt. i, **n. spp.**
Limnicus (sic) *turkestanicus*, Ferghana, PIC, p. 97, Echange xxi, **n. sp.**
Trichobyrrhulus championi, La Granja, REITTER, p. 90, Wien. ent. Zeit. xxiv, **n. sp.**

PARNIDÆ and GEORYSSIDÆ.

Elmis (*Latelmis*) *longior, surcoufi*, Algeria, PIC, p. 145, Echange xxi, **n. spp.**
Parnus arizonensis, Arizona, SCHAEFFER, p. 122, Bull. Brooklyn Inst. i, **n. sp.**
Georyssus purpurascens, Madagascar, FAIRMAIRE, p. 118, Ann. Soc. ent. Belgique 1905, **n. sp.**

LUCANIDÆ.

[Cf. BOILEAU (126), GRIFFINI (691, 692), MÖLLENKAMP (1057), NONFRIED (1108), PLANET (1208), REED (1233), VAN ROON (1531), WATERHOUSE (1589), ZANG (1662, 1664).]

Catalogue of the family, 76 genera, 732 spp., VAN ROON, Tijdschr. Ent. xlviii, pp. 83–180.
The variation of the male mandibles, general discussion, GRIFFINI (691, 692).

Ægus jansoni, Queensland, BOILEAU, p. 17, Naturaliste 1905, **n. sp.**
Ceratognathus flabellatus, Queensland, p. 177, *macrognathus*, Australia, p. 200, BOILEAU, t. c. **n. spp.**
Chiasognathus, 2 spp., *granti* and *jousselini*, synonymy, REED, Revist. chilena viii, pp. 181–188.
Cyclommatus lunifer, Sumatra, p. 71, ♀, p. 286, *imperator*, New Guinea, p. 285, BOILEAU, Naturaliste 1905, **n. spp.**
Dorcus vavrai, Persian Kurdistan, NONFRIED, p. 12, Berlin. ent. Zeitschr. i, **n. sp.**
Eurytrachelus titan var. n. *typhon*, BOILEAU, p. 17, cut, Naturaliste 1905.
E. minax, Sumatra, MÖLLENKAMP, p. 168, Ins. Börse 1905, **n. sp.**

Figulus cicatricosus, Nilgherry hills, BOILEAU, p. 38, Naturaliste 1905 ; *F. horni*, Ceylon, ZANG, p. 161, Deutsche ent. Zeitschr. 1905 : **n. spp.**
Lissotes cornutus, Australia, BOILEAU, p. 201, Naturaliste 1905, **n. sp.**
Metopodontus biplagiatus var. n. *nigripes*, BOILEAU, p. 17, t. c.
M. elizabethæ, Usagara, WATERHOUSE, p. 375, Ann. Nat. Hist. (7) xv, **n. sp.**
Neolucanus brevis = (*birmaensis* Möll.), ZANG, p. 212, Deutsche ent. Zeitschr. 1905.
Nigidius ; *Hadronigidius* as doubtful subgenus, *N. validus* Pér., ZANG, p. 215, Deutsche ent. Zeitschr. 1905.
N. helleri, Sumatra, p. 47, *impressicollis*, Khasia Hills, p. 60, *lewisi*, Liou-Kiou Ids., p. 61, BOILEAU, Naturaliste 1905 ; *N. bonneuilli*, *baeri*, Philippines, BOILEAU, p. 18, t. c. : **n. spp.**
Odontolabis imperialis ♀, BOILEAU, p. 147, t. c.
O. lowei var. n. *nubigena*, MÖLLENKAMP, p. 168, Ins. Börse 1905 ; *O. mouhoti* = (*elegans* Möll.), characters, ♀, p. 212, *O. lowei* and *æratus*, male variation, p. 214, ZANG, Deutsche ent. Zeitschr. 1905.
O. eremicola, Borneo, MÖLLENKAMP, p. 7, Ins. Börse 1905 ; *O. parryi*, Formosa, BOILEAU, p. 48, Naturaliste 1905 : **n. spp.**
Platycerus, in amber, cf. Palæoent. p. 128.
Prismognathus branczicki, S. W. China, NONFRIED, p. 11, Berlin. ent. Zeitschr. l, **n. sp.**
Prosopocœlus javanensis, ♂ ♀, ZANG, p. 214, Deutsche ent. Zeitschr. 1905.
P. curvidens, Madagascar, NONFRIED, p. 11, Berlin. ent. Zeitschr. l ; *P. aulicus*, Borneo, MÖLLENKAMP, p. 7, Ins. Börse 1905 ; *P. femoratus*, Kina-Balu, p. 147, *laminifer*, Sumatra, p. 286, BOILEAU, Naturaliste 1905 : **n. spp.**
Pseudolucanus lesnei, Yunnan ?, PLANET, p. 212, Naturaliste 1905, **n. sp.**
Sphenognathus nobilis ♀, ZANG, p. 211, Deutsche ent. Zeitschr. 1905.
Syndesus macleayi, Victoria, *punctatus*, New Caledonia (or new Hebrides), BOILEAU, p. 61, Naturaliste 1905, **n. spp.**

PASSALIDÆ.

[Cf. PANGELLA (1135, 1136), ZANG (1654–1656, 1659–1663, 1665–1667).]

ZANG proposes the following **new names**, *Gnomon* for *Eumelus* Kaup, *Lasioperix* for *Flavius* Kuw., *Rhipsaspis* for *Heterochilus* Kuw., *Chilomazus* for *Laches* Kaup, *Phaulothorax* for *Microthorax* Kuw., *Scalmus* for *Ninus* Kaup, *Protomocœlus* for *Pelops* Kaup, *Psilomus* for *Phanocles* Kuw., *Macrolobus* for *Phoroneus* Kaup, *Trapezochilus* for *Phraortes* Kuw., *Embryulcus* for *Plesthenus* Kaup, *Arrox* for *Sertorius* Kaup, *Heliscus* for *Soranus* Kaup, *Alococerus* for *Thryptocerus* Kuw., *Epipleurothrix* for *Trichopleurus* Kuw., *Zosterothrix* for *Vatinius* Kaup ; Zool. Anz. xxix.
ZANG commences a revision of the work of Kuwert and Kaup, Notes Leyden Mus. xxv, pp. 221–232.
Some noteworthy localities, ZANG, p. 112, Deutsche ent. Zeitschr. 1905.

Aceraius oculidens, p. 190, *laniger*, p. 191, Borneo, ZANG, Deutsche ent. Zeitschr. 1905 ; *A. lævimargo*, Borneo, ZANG, p. 244, t. c. ; *A. palawanus*, Palawan, ZANG, p. 236, Notes Leyden Mus. xxv : **n. spp.**
Analaches ; monograph, ZANG, pp. 24–32, Deutsche ent. Zeitschr. 1904.
A. brachymetopus, Amboyna, ZANG, p. 30, t. c. ; *A. paraplesius*, p. 238, *laticauda*, p. 240, *bicavis*, p. 241, New Guinea, ZANG, t. c. : **n. spp.**
Auritulus **n. g.** for *Aulacocyclus patalis* Lew., ZANG, p. 229, Notes Leyden Mus. xxv.
Basilianus certus and *neelgherriensis*, ZANG, p. 223, t. c.

B. binominis, Lower India, ZANG, p. 243, Deutsche ent. Zeitschr. 1905, **n. sp.**
Comacupes; synonymy, ZANG, p. 231, Notes Leyden Mus. xxv.
C. cormocerus, Padang, ZANG, p. 233, t. c. **n. sp.**
Didimus duplicatus and *parastictus* distinguished, ZANG, p. 109, Deutsche ent. Zeitschr. 1905.
D. latipunctus, E. Africa, ZANG, p. 315, t. c. **n. sp.**
Episphenoides quæstionis Kuw. = (*Mastochilus capitalis* Blackb.), ZANG, p. 223, Notes Leyden Mus. xxv.
Gonatas differens, characters, ZANG, p. 110, Deutsche ent. Zeitschr. 1905.
G. cetioides, hab.?, ZANG, p. 316, t. c. **n. sp.**
Heterochilus, characters and position, ZANG, p. 167, t. c.
Kaupiolus trigonophorus, New Guinea, ZANG, p. 316, t. c. **n. sp.**
Labienus ptox and allies, ZANG, p. 111, t. c.
Laches; Kuwert's 5 spp. = varr. of *comptoni*, ZANG, p. 163, t. c.
Leptaulacides and *L. eschscholtzi*, characters, ZANG, p. 106, t. c.
L. rugulosus, p. 100, *fruhstorferi*, p. 102, Tonkin, ZANG, t. c.; *L. barbicauda*, Borneo, p. 164, *andamanarum*, Andaman Ids., p. 166, ZANG, t. c.; *L. palawanicus*, Palawan, p. 232, *anipunctatus*, Assam, p. 234, *anaulax*, Sumatra, p. 235, ZANG, t. c.; *L. nietneri*, Ceylon, ZANG, p. 246, t. c.: **n. spp.**
Leptaulax timoriensis Perch. = (*glabricollis* Kuw.), ZANG, p. 223, Notes Leyden Mus. xxv.
L. tonkinensis, Manson Mts., ZANG, p. 102, Deutsche ent. Zeitschr. 1905; *L. anna*, Sumbava, ZANG, p. 316, t. c.: **n. spp.**
Nasoproculus **n. g.** for *Passalus heros* Truqui, ZANG, p. 226, Notes Leyden Mus. xxv.
Neleus camerani, p. 9, *cognettii*, p. 13, Paraguay, PANGELLA, Boll. Mus. Torino xx, No. 508, **n. spp.**
Ninus hondurœ var. n. *rosminiœ*, PANGELLA, p. 11, t. c. No. 498.
N. nobilii, Paraguay, PANGELLA, p. 5, t. c. No. 508, **n. sp.**
Oileus; type is *sagittarius* Sm., ZANG, p. 226, Notes Leyden Mus. xxv.
Ophrygonius quadrifer and *inœqualis*, ZANG, p. 192, Deutsche ent. Zeitschr. 1905.
Passalus; type is to be *Neleus interruptus*, ZANG, p. 224, Notes Leyden Mus. xxv.
Paxilloides and *Paxillosomus* are one, ZANG, p. 222, t. c.
Paxillosomus borellii, Asunçion, PANGELLA, p. 3, Boll. Mus. Torino xx, No. 508; *P. alfari*, Costa Rica, PANGELLA, p. 9, t. c. No. 498: **n. spp.**
Pelopides; type *schraderi* Kuw., ZANG, p. 227, Notes Leyden Mus. xxv.
Platyverres; valid, characters, ZANG, p. 231, t. c.
Proculejoïdes granulipennis, Chiapas, ZANG, p. 229, Deutsche ent. Zeitschr. 1905, **n. sp.**
Procululus **n. g.** *Petrejinæ*, p. 225, *inca*, **n. sp.**, Peru, p. 226, ZANG, t. c.
Proculus beckeri, Mexico, ZANG, p. 315, t. c. **n. sp.**
Protomocœlus sternbergi, New Guinea, ZANG, p. 236, t. c. **n. sp.**
Publius spinipes, Bolivia, ZANG, p. 231, t. c. **n. sp.**
Rhodocanthopus biolleyi, Costa Rica, PANGELLA, p. 3, Boll. Mus. Torino xx, No. 498, **n. sp.**
Spurius dichotomus, Centr. America, ZANG, p. 227, Deutsche ent. Zeitschr. 1905, **n. sp.**
Tœniocerus bicanthatus, note, ZANG, p. 105, t. c.
Tiberius, characters and composition, ZANG, p. 163, t. c.
Verres camerani, Costa Rica, PANGELLA, p. 7, Boll. Mus. Torino xx, No. 498; *V. sternbergianus*, Venezuela, ZANG, p. 315, Deutsche ent. Zeitschr. 1905: **n. spp.**

SCARABÆIDÆ.

Coprini.

[Cf. ARROW (30), BLACKBURN (123), FAIRMAIRE (534), FALL (540), KOLBE (878), MOLLANDIN (1056), D'ORBIGNY (1124), PUCCIONI (1220), WICKHAM (1630), ZANG (1657).]

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p. 474, *rufipennis*, p. 476, *semirubens*, p. 478, *atrofasciatus*, p. 480, *capillosus*, p. 482, *miscellus*, p. 483, *tenuistriatus*, p. 485, *atrovirens*, p. 486, *mixticeps*, p. 487, *asperulus*, p. 488, *clusifrons*, p. 489, *chrysoderus*, p. 490, *gibberosus*, p. 492, *gibber*, p. 493, *trifidisetis*, p. 495, *altilamina*, p. 496, *lobaticollis*, p. 498, *stellioides*, p. 500, *debilis*, p. 502, *subocellatus*, p. 503, *ocellatus*, p. 504, *furculifer*, p. 505, *O.* (*Phalops*) *tuberosus*, p. 508, *O.* (*Proagoderus*) *nasidens*, p. 510, *fossidorsis*, p. 512, *longefossus*, p. 514, *atriclaviger*, p. 516, *ignitus*, p. 518, *rasidorsis*, p. 521, *triangulicepsis*, p. 523, Africa, D'ORBIGNY, t. c.; *O. biconifer*, p. 527, *inclusus*, p. 528, *comatulus*, p. 529, *ventrosus*, p. 530, Africa, D'ORBIGNY, t. c. : **n. spp.**

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Rhyparus peninsularis, Penang, p. 537, *philippinensis*, Philippines, *gracilis*, S. E. isld., p. 538, ARROW, Ann. Nat. Hist. (7) xv, **n. spp.**

Stereomera **n. g.** near *Rhyparus*, p. 534, *pusilla* **n. sp.**, Singapore, p. 535, ARROW, t. c.

Sybacodes lutulentus redescribed, ARROW, p. 539, t. c.

Glaphyrini.

Anthypna carceli var. n. *laportei*, LEONI, pp. 116–119, Riv. Col. ital. iii.

Melolonthini.

[Cf. BLACKBURN (123), FAIRMAIRE (534), MATUSOVITZ (1015), PIC (1183, 1193), REITTER (1249), RITSEMA (1271, 1272).]

Classification of Australian *Melolonthides*, BLACKBURN, pp. 276–281, Tr. R. Soc. S. Austral. xxix.

Amphimallina **n. g.** near *Amphimallus*, p. 203, *jenrichi* **n. sp.**, Ural River, p. 204, REITTER, Wien. ent. Zeit. xxiv.

Anoxia nigricolor, Adana, PIC, p. 177, Echange xxi, **n. sp.**

Apogonia, supplementary list, RITSEMA, pp. 111–116, Notes Leyden Mus. xxv.

A. waterstradti, p. 103, *speculifera*, p. 105, *lobata*, p. 106, *helleri*, p. 107, Borneo, RITSEMA, t. c. **n. spp.**

Automolus, characters, BLACKBURN, pp. 331, 332, Tr. R. Soc. S. Austral. xxix.

Chilotrogus **n. g.** near *Rhizotrogus*, p. 202, *panotrogoides* **n. sp.**, Persia, p. 203, REITTER, Wien. ent. Zeit. xxiv.

Diplotaxis connata, Arizona, SCHAEFFER, p. 158, Bull. Brooklyn Inst. i, **n. sp.**

Enamillus sharpi, W. Australia, BLACKBURN, p. 279, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Enthora atomaria, Madagascar, FAIRMAIRE, p. 119, Ann. Soc. ent. Belgique 1905, **n. sp.**

Homaloplia fritschi, Bosnia, REITTER, p. 201, Wien. ent. Zeit. xxiv, **n. sp.**

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Sphyrocallus bicolor, W. Australia, BLACKBURN, p. 277, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Rutelini.

[Cf. FAIRMAIRE (534), OHAUS (1114–1119), PIC (1179, 1183, 1187, 1190), SKINNER (1408), WICKHAM (1629).]

Revision of American *Anoplognathides* completed, OHAUS, pp. 120–167, pl. v, Stettin Ent. Zeit. lxvi.

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Adoretus drurei, Bagdad, PIC, p. 200, Bull. Soc. ent. France 1905; *A. millingeni*, Arabia, PIC, p. 153, Echange xxi; *A. emarginatus*, Omdurman, OHAUS, p. 6, Jägerskiöld exp. No. 10*a*; *A. ampliatus*, p. 120, *lutosipennis*, p. 221, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique 1905; *A. fruhstorferi*, Tonkin, OHAUS, p. 98, Deutsche ent. Zeitschr. 1905; *A. philippinicus* (Brenske), Philippines, PIC, p. 131, Naturaliste 1905: **n. spp.**

Anatista referred to *Spodochlamydes*, p. 272, *A. macrophylla*, Ecuador, **n. sp.** p. 273, OHAUS, Stettin Ent. Zeit. lxvi.

Anomala mimeloïdes var. n. *fuscoviridis*, OHAUS, p. 285, t. c.; *A. devota* var. n. *pallidior*, PIC, p. 105, Echange xxi.

A. palæstina, Jerusalem, PIC, p. 129, t. c.; *A. nubeculosa*, p. 84, *viridisericea*, *polychroma*, p. 85, *fuscosignata*, *graminea*, p. 86, *A.* (*Spilota*) *nupta*, p. 87, Tonkin, OHAUS, Deutsche ent. Zeitschr. 1905; *A. nigrosellata*, Venezuela, p. 283, *schneideri*, Honduras, p. 284, OHAUS, Stettin Ent. Zeit. lxvi: **n. spp.**

Anoplognathus analis ♀ =(*Areoda magnifica* Nonfr.), OHAUS, p. 322, t. c.

Antichira hemichlora var. n. *nigripennis*, p. 293, *subænea* subsp. n. *fluminensis*, p. 294, *adamsi* subsp. n. *goyana*, p. 295, OHAUS, t. c.; *A. amazona* Thunb. to *Lagochile*, OHAUS, p. 286, t. c.

A. helleri, Ecuador, OHAUS, p. 295, t. c. **n. sp.**

Areoda espiritosantensis, S. America, OHAUS, p. 322, t. c. **n. sp.**

Aulacopalpus clypealis, p. 137, *pygidialis*, p. 139, Chile, OHAUS, t. c. **n. spp.**

Brachysternus prasinus araunicus, p. 156, *viridipes*, p. 157, subspp. n., OHAUS, t. c.

B. hirtus, Chile, id. p. 158, t. c. **n. sp.**

Byrsopolis mexicana, Mexico, OHAUS, p. 324, t. c. **n. sp.**

Chalcochlamys **n. g.** for *Spodochlamys dohrni*, OHAUS, p. 263, t. c.

Chlorota caucana, Colombia, p. 308, *nasuta*, Peru, p. 309, OHAUS, t. c. **n. spp.**

Cotalpa lanigera var. n. *tau*, WICKHAM, p. 2, J. N. York Ent. Soc. iii.

C. subcribrata, Kansas, id., p. 3, t. c. **n. sp.**

Dorystethus chlorophanus subspp. n., OHAUS, pp. 295–297, Stettin Ent. Zeit. lxvi.

D. espiritosantensis, *andicola*, p. 298, *columbicus*, *maximus*, *castanipennis*,

p. 299, *auriceps*, *jordani*, p. 300, *microcephaloïdes*, p. 301, *sulcatus*, p. 302, S. America, OHAUS, t. c. **n. spp.**

Fruhstorferia sexmaculata var. n. *dohertyi*, OHAUS, p. 98, Deutsche ent. Zeitschr. 1905.

Heterosternus oberthuri ♂, OHAUS, p. 321, Stettin Ent. Zeit. lxvi.

Homonyx fuscoæneus, Brazil, p. 313, *oryctoïdes*, Mexico, p. 314, OHAUS, t. c. **n. spp.**

Hoplognathus helmenreichi, p. 322, *parvulus*, p. 323, *limbatipennis*, p. 324, S. America, OHAUS, t. c. **n. spp.**

Lagochile boliviana, Bolivia, *obscurata*, Venezuela, p. 287, *wiengreeni*, Brazil, p. 288, OHAUS, t. c. **n. spp.**

Leucopelæa baronis, Ecuador, OHAUS, p. 123, t. c. **n. sp.**

Lutera nigromaculata ♂ var., OHAUS, p. 97, Deutsche ent. Zeitschr. 1905.

Macraspis tristis and allies, characters, OHAUS, pp. 290–293, Stettin Ent. Zeit. lxvi.

M. maculicollis, Peru, OHAUS, p. 289, t. c. **n. sp.**

Macropopillia **n. g.** *arrowi* **n. sp.**, India, OHAUS, p. 94, Deutsche ent. Zeitschr. 1905.

Mesomerodon **n. g.** near *Pelidnota*, p. 319, *spinipenne* **n. sp.**, Peru, p. 320, OHAUS, Stettin Ent. Zeit. lxvi.

Mimela globosa, Assam, *sericea*, Sikkim, p. 88, *javana*, Java, *schneideri*, Sikkim, p. 89, OHAUS, Deutsche ent. Zeitschr. 1905, **n. spp.**

Odontognathus riedeli, Brazil, OHAUS, p. 312, Stettin Ent. Zeit. lxvi, **n. sp.**

Ometis macraspidioides, Para, OHAUS, p. 289, t. c. **n. sp.**

Oogenius chilensis, Chile, OHAUS, p. 326, t. c. **n. sp.**

Parastasia indica var. = (*fruhstorferi*), OHAUS, p. 97, Deutsche ent. Zeitschr. 1905.

Pelidnota bahiana, p. 315, *subandina*, p. 316, S. America, *sanctidomini*, Saint Domingo, *ludovici*, p. 317, *sancti jacobi*, *fusciventris*, p. 318, *crassipes*, p. 319, S. America, OHAUS, Stettin Ent. Zeit. lxvi, **n. spp.**

Phœnomeris, *rufescens*, *cyanicollis*, varr. n., OHAUS, pp. 95, 96, Deutsche ent. Zeitschr. 1905.

Phrynopsis **n. g.** near *Adoretus*, *oculata* **n. sp.**, Madagascar, FAIRMAIRE, p. 120, Ann. Soc. ent. Belgique 1905.

Phyllopertha carinicollis, Tonkin, OHAUS, p. 81, Deutsche ent. Zeitschr. 1905, **n. sp.**

Platyrutela cribrata ♂, OHAUS, p. 304, Stettin Ent. Zeit. lxvi.

Plusiotis beyeri, Arizona, SKINNER, p. 289, Ent. News Philad. xvi ; *P. flohri*, Durango, OHAUS, p. 321, Stettin Ent. Zeit. lxvi : **n. spp.**

Popillia conopyga, Luzon, p. 92, *timoriensis*, Timor, p. 93, OHAUS, Deutsche ent. Zeitschr. 1905, **n. spp.**

Pseudochlorota **n. g.**, *chiriquina*, Chiriqui, p. 306, *peruana*, Peru, p. 307, **n. spp.**, OHAUS, Stettin Ent. Zeit. lxvi.

Pseudomalaia flavopilosa, Philippines, OHAUS, p. 91, Deutsche ent. Zeitschr. 1905, **n. sp.**

Rutela lineola and *histrio*, variation, OHAUS, pp. 311, 312, Stettin Ent. Zeit. lxvi.

R. pygidialis, Panama, *tricolorea*, S. America, OHAUS, p. 34, t. c. **n. spp.**

Rutelisca durangoana, Mexico, OHAUS, p. 312, t. c. **n. sp.**

Singhala helleri, Malabad, OHAUS, p. 90, Deutsche ent. Zeitschr. 1905, **n. sp.**

Spodochlamides : revision of, OHAUS, pp. 260–276, Stettin Ent. Zeit. lxvi.

Spodochlamys flavofemorata, Venezuela, p. 265, *iheringi*, Brazil, p. 266, *popayana*, p. 268, *curvibrachialis*, p. 270, Colombia, OHAUS, t. c. **n. spp.**

Strigoderma floridana, Florida, OHAUS, p. 285, t. c. **n. sp.**

Thyridium violaceipes, *oblongum*, p. 302, *marginicolle*, *caucanum*, p. 303, S. America, OHAUS, t. c. **n. spp.**

Dynastini.

[Cf. BRÈTHES (188), FAIRMAIRE (534), FALL (542), KOLBE (879), TITUS (1496).]

Aphonodelus **n. g.** *Heteronychides*, *coriaceipennis* **n. sp.**, Cameroons, p. 4, KOLBE, Arkiv Zool. ii, No. 18.

Aphonoproctus **n. g.** *Heteronychides*, p. 2, *pentodontinus* **n. sp.**, Cameroons, p. 3, KOLBE, t. c.

Archophanes **n. g.** for *Oryctes cratericollis* Fairm., KOLBE, p. 19, t. c.

Cheiroplatys verticalis, New Mexico, FALL, p. 272, Canad. Ent. 1905, **n. sp.**

Cyclocephala tucumana, p. 330, *andina*, p. 331, Tucumán, BRÈTHES, An. Mus. Buenos Aires (3) iv, **n. spp.**

Heteronychus camerunus, W. Africa, KOLBE, p. 5, Arkiv Zool. ii, No. 18, **n. sp.**

Ligyrus rugiceps, natural history, TITUS, Bull. U. S. Dep. Agric. Ent. No. 54, pp. 7–15.

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Oryctes sjostedti, Cameroons, KOLBE, p. 11, t. c. **n. sp.**

Paranodon **n. n.** for *Anodon*, COCKERELL, p. 104, Entomologist 1905.

Pentodon; note, with *P. reitteri* n. n., JAKOVLEV, pp. xv–xvii, Annuaire Mus. St. Petersb. lx.

Prosphileurus **n. g.** for *Phileurus poggei* Har., KOLBE, p. 17, Arkiv Zool. ii, No. 18.

Pycnoschema camerunum, W. Africa, p. 6, *simplicicolle*, p. 7, *suillum*, p. 8, Angola, KOLBE, t. c.

Temnorrhynchus rugatus, p. 9, *scutiger*, p. 10, Cameroons, KOLBE, t. c. **n. spp.**

Trionychus strigipennis, Madagascar, FAIRMAIRE, p. 119, Ann. Soc. ent. Belgique 1905, **n. sp.**

Cetoniini.

[Cf. BRAEM (170), FAIRMAIRE (534, 537), HELLER (737), JANSON (815), LE COMTE (932, 933), MOSER (1076), WATERHOUSE (1589).]

Cetoniidæ of France, tables, LE COMTE, pp. 76–85, Bull. Soc. Nimes xxxii.

Bettonia **n. g.** near *Compsocephalus*, *mutabilis* **n. sp.**, E. Africa, WATERHOUSE, p. 377, Ann. Nat. Hist. (7) xv.

Blæsia subrugosa, Bolivia, MOSER, p. 211, Ann. Soc. ent. Belgique 1905, **n. sp.**

Bricoptis variolosa var. *rufescens*, a distinct species, FAIRMAIRE, p. 123, Ann. Soc. ent. Belgique 1905.

Cetonia aurata, Italian varr., FIORI, p. 45, Riv. Col. ital. i; *C. aurata* var. n. *delfieui*, LE COMTE, p. 80, Bull. Soc. Nimes xxxii.

C. (*Potosia*) *mayeti*, Malta (or Benghazi), LE COMTE, p. 274, Bull. Soc. ent. France 1905, **n. sp.**

Cetonischema speciosa varr. n., NONFRIED, pp. 330–332, Stettin Ent. Zeit. lxvi.

Chelorrhina kraatzi, Cameroons, MOSER, p. 210, Ann. Soc. ent. Belgique 1905, **n. sp.**

Chloresthia **n. g.** near *Heterorhina*, *clypeata* **n. sp.**, Kouitcheou, FAIRMAIRE, p. 91, Bull. Soc. ent. France 1905.

Clinteria ornatipennis, E. Africa, p. 212, *alboguttata*, Key Ids., p. 213, MOSER, Ann. Soc. ent. Belgique 1905, **n. spp.**

Dicellachilus **n. g.** near *Compsocephalus*, p. 376, *woodi* **n. sp.**, Usagara, p. 377, WATERHOUSE, Ann. Nat. Hist. (7) xv.

Euphoria limbalis, Florida, *holochloris*, Arizona, FALL, p. 273, Canad. Ent. 1905, **n. sp.**

Fornasinius wesselsi, Congo, BRAEM, p. 43, Ann. Soc. ent. Belgique 1905, **n. sp.**

Gnorimus guerryi n. n. for *flavitarsis* Fairm., 1902, MOSER, p. 215, Ann. Soc. ent. Belgique 1905.

Goniochilus rotundiceps, E. Africa, MOSER, p. 214, Ann. Soc. ent. Belgique 1905, **n. sp.**

Gymnetis, *Allorhina*, *Cotinis* of N. America, taxonomy, SCHAEFFER, pp. 159, 160, Bull. Brooklyn Inst. i.

G. impius, Arizona, FALL, p. 272, Canad. Ent. 1905, **n. sp.**

Lomaptera semicastanea varr. n. *signata*, *rufipennis*, *plagiata* and *unicolor*, JANSON, p. 15, Ann. Nat. Hist. (7) xvi.

L. pratti, p. 12, *lutea*, p. 13, *rubens*, p. 15, *pulchella*, p. 16, *cupriceps*, p. 17, New Guinea, JANSON, t. c. ; *L. mycterophallus*, New Guinea, HELLER, p. 65, Deutsche ent. Zeitschr. 1905 : **n. spp.**

Lophogastra **n. n.** for *Lophophora* Kr., the species, FAIRMAIRE, p. 123, Ann. Soc. ent. Belgique 1905.

Malacotonia **n. g.** near *Linotarsia*, p. 121, *rufopicta* **n. sp.**, Madagascar, p. 122, and including *Gametis clytus* Westw., and *Linotarsia cincticollis* Fairm., FAIRMAIRE, t. c.

Morokia **n. g.** near *Lomaptera*, *meeki* **n. sp.**, New Guinea, JANSON, p. 11, Ann. Nat. Hist. (7) xvi.

Neptunides polychrous var. n. *manowensis*, MOSER, p. 210, Ann. Soc. ent. Belgique 1905, **n. sp.**

Osmoderma brevipennis ♀, PIC, p. 121, Echange xxi.

Potosia incerta var. n. *hypocrita*, RAGUSA, p. 291, Natural. Sicil. xvii.

Protætia nigra, Dammer Id., MOSER, p. 213, Ann. Soc. ent. Belgique 1905, **n. sp.**

Rhynchocephala rufoscutata, Madagascar, FAIRMAIRE, p. 122, Ann. Soc. ent. Belgique 1905, **n. sp.**

Theodosia, notes on the species, SCHWARZ, p. 102, P. ent. Soc. Washington vii.

Tmesorrhina pectoralis, E. Africa, MOSER, p. 211, Ann. Soc. ent. Belgique 1905, **n. sp.**

Trichaulax sericea, New Guinea, JANSON, p. 17, Ann. Nat. Hist. (7) xvi, **n. sp.**

Trichius alboguttatus, Assam, MOSER, p. 215, Ann. Soc. ent. Belgique 1905, **n. sp.**

Valgus hemipterus, metamorphosis, XAMBEU, p. 164, Naturaliste 1905.

BUPRESTIDÆ.

[Cf. ABEILLE (3), CSIKI (378), FAIRMAIRE (534), FALL (539, 542), FLEUTIAUX (581), KERREMANS (835), OBST (1114), PIC (1184), REITTER (1249), SCHAEFFER (1323, 1324), THÉRY (1488, 1489), WATERHOUSE (1590), WICKHAM (1630).]

Revision of *Buprestidæ* of Madagascar, and discussion of the fauna, THÉRY (1488).

Acmæodera arenicola, Hungary, CSIKI, p. 578, Ann. Mus. Hungar. iii ; *A. amanicola*, Syria, PIC, p. 97, Echange xxi ; *A. angustata*, E. Africa, OBST, p. 432, Zool. Jahrb. Syst. xxii ; *A. fairmairei*, Madagascar, THÉRY, pl. i, fig. 1, p. 31, Bupr. Madag. : **n. spp.**

Actenodes albifrons, p. 111, *uniformis*, pl. iii, fig. 16, *frater*, fig. 17, p. 112, Madagascar, THÉRY, t. c. **n. spp.**

Agæocera gentilis = (*fenyesi* Kerr.), WATERHOUSE, p. 577, Ann. Nat. Hist. (7) xv.

Agrilus perrini n. n. for *divaricatus* Ab., PIC, p. 185, Echange 1905.

A. divaricatus, Algeria, p. 207, *bedeli*, La Granja, p. 208, ABEILLE, Bull. Soc. ent. France 1905; *A. auroguttatus*, p. 149, *huachucæ*, *quercus*, p. 150, Arizona, SCHAEFFER, Bull. Brooklyn Inst. iii; *A. subtropicus*, Texas, SCHAEFFER, p. 131, op. cit. i; *A. snowi*, Arizona, FALL, p. 271, Canad. Ent. 1905 : **n. spp.**

Anthaxia salicis var. n. *speciosa*, CSIKI, p. 581, Ann. Mus. Hungar. iii.

A. nyassica, Africa, OBST, p. 430, Zool. Jahrb. Syst. xxii; *A. ventricosa*, p. 106, *hydropica*, pl. ii, fig. 12, p. 107, *episcopalis*, fig. 13, *scabra*, fig. 14, *hova*, fig. 15, p. 108, Madagascar, THÉRY, Bupr. Madag. : **n. spp.**

Aphanisticus bouvieri, p. 144, *elegans*, *inornatus*, p. 145, *integricollis*, *sicardi*, p. 146, *maleficus*, p. 147, Madagascar, THÉRY, t. c. **n. spp.**

Chrysobothris edwardsii ♂, SCHAEFFER, p. 129, Bull. Brooklyn Inst. i.

C. decorsei, Madagascar, THÉRY, p. 109, Bupr. Madag.; *C. bimarginicollis*, Arizona, SCHAEFFER, p. 148, Bull. Brooklyn Inst. i; *C. thoracicus*, Lower California, p. 128, *serripes*, Utah, p. 130, SCHAEFFER, t. c. : **n. spp.**

Chrysodema ventralis=(*navicularis* Kerr.), *C. dohrnii*=(*fairmairei* Kerr.) *mnizechi* being distinct, *C. wallacei*=(*sumatrensis* Kerr.), WATERHOUSE, p. 583, Ann. Nat. Hist. (7) xv.

C. yerburyi, Ceylon, WATERHOUSE, p. 583, t. c. **n. sp.**

Cinyra purpurascens, Lower California, SCHAEFFER, p. 127, Bull. Brooklyn Inst. i, **n. sp.**

Corœbus orientalis, Bucharest, ABEILLE, p. 207, Bull. Soc. ent. France 1905, **n. sp.**

Cylindromorphus albifrons, Madagascar, pl. v, fig. 28, THÉRY, p. 141, Bupr. Madag. **n. sp.**

Dicerca alni, food-habits, MOLLANDIN, p. 95, Bull. Soc. ent. France 1905.

Dilopholotus flacourti, p. 130, *farinosus*, p. 131, *mocquerysi*, *decorsei*, p. 132, *inconstans*, pl. iv, fig. 22, p. 133, *nivifera*, p. 134, *decoloratus*, fig. 23, p. 135, *fallax*, fig. 24, *inornatus*, fig. 25, p. 136, *abeillei*, fig. 26, p. 137, *tristis*, p. 138, *crassus*, fig. 27, *spurcus*, p. 139, Madagascar, THÉRY, Bupr. Madag. **n. spp.**

Discoderes ampliatus, Madagascar, FAIRMAIRE, p. 124, Ann. Soc. ent. Belgique 1905, **n. sp.**

Dystaxia elegans, San Diego, FALL, p. 71, Ent. News Philad. xvi, **n. sp.**

Ectinogonia composi, Guyaquil, THÉRY, p. 152, Naturaliste 1905, **n. sp.**

Entomogaster mocquerysi, *asperulus*, pl. iv, fig. 20, Madagascar, THÉRY, p. 120, Bupr. Madag. **n. spp.**

Galbella insularis, pl. vii, fig. 48, p. 167, *chrysonota*, fig. 49, p. 168, *pretiosa*, figg. 50, 51, p. 169, *byrrhoides*, fig. 52, *limbata*, fig. 53, p. 170, *antiqua*, fig. 54, p. 171, Madagascar, THÉRY, t. c. **n. spp.**

Gyascutus juniperinus, Utah, WICKHAM, p. 167, Canad. Ent. 1905, **n. sp.**

Halecia soror, Ecuador, p. 577, *trilineata*, Mexico, p. 578, *elongata*, *buckleyi*, Ecuador, p. 579, *sexcostata*, Bogota, p. 580, *rugosa*, p. 581, *viridisplendens*, Brazil, p. 582, WATERHOUSE, Ann. Nat. Hist. (7) xv, **n. spp.**

Hypoprasis magnifica, *harpago*, distinguished, WATERHOUSE, p. 577, t. c.

Iridotœnia lineata=(*javana* Kerr.), WATERHOUSE, p. 583, t. c.

Julodis mathiesseni, Persia, REITTER, p. 204, Wien. ent. Zeit. xxiv; *J. bouvieri*, Persia, p. 227, *damarina*, Namaqualand, p. 286, *karrooana*, S. Africa, p. 302, KERREMANS, Mon. Buprest. i : **n. spp.**

Mastogenius robustus, Arizona, SCHAEFFER, p. 148, Bull. Brooklyn Inst. i, **n. sp.**

Melanophila hungarica, Hungary, CSIKI, p. 579, Ann. Mus. Hungar. iii, **n. sp.**

Melibœus insipidus, Madagascar, THÉRY, pl. iv, fig. 21, p. 123, Bupr. Madag. **n. sp.**

Neoptosima **n. g.** p. 35, including *Ptos. sericea* and *fairmairei*, and with *kerremansi*, p. 36, *spinosa*, *deplanata*, p. 37, **n. spp.**, Madagascar, THÉRY, t. c.

Paracastalia ornatipennis, p. 412, *minima*, p. 418, E. Africa, KERREMANS, Mon. Buprest. i, **n. spp.**

Polycesta elata a distinct species, FALL, p. 73, Ent. News Philad. xvi.

Pseudacherusia **n. g.** p. 382, *theryi* **n. sp.**, Goyaz, p. 384, pl. vii, fig. 1, KERREMANS, Mon. Buprest. i.

Pseudocorœbus **n. g.** near *Chloricalla*, *mocquerysi*, pl. iii, fig. 18, **n. sp.**, Madagascar, THÉRY, p. 121, Bupr. Madag.

Psiloptera aspasia Gerst. and *rubrocincta* Kerr. are the same, but *quadriareolata* Fåhrs. and *bioculata* Ol. are distinct, *P. nigroænæa* Kerr. =(*soror* Obst) and *subcatenulata* Thoms. =(*ænea* Obst), OBST, pp. 426, 427, Zool. Jahrb. Syst. xxii.

P. sexnotata, E. Africa, OBST, p. 423, t. c.; *P. albovittata*, E. Africa, OBST, p. 429, t. c.; *P.* (*Lampetis*) *decorsei*, pl. i, fig. 4, p. 42, *vabreasi*, *lemur*, p. 43, *cyclops*, p. 44, *pater*, p. 45, *P.* (*Alampetis*) *sordida*, p. 48, *donckieri*, pl. i, fig. 9, p. 49, *P.* (*Apatea*) *abeilli*, p. 54, *P. rubibipes*, *fallax*, *longicollis*, p. 57, *alcyon*, pl. i, fig. 6, p. 59, *pandus*, p. 60, *moralesi*, pl. ii, fig. 7, p. 62, *grandidieri*, p. 65, *mocquerysi*, p. 68, *wautersi*, p. 75, *adspersipennis*, p. 76, *rustica*, *republicana*, pl. ii, fig. 9, p. 78, *pulverulenta*, p. 80, *nivifera*, p. 84, *errata*, *angulosa*, p. 99, *heydeni*, pl. ii, fig. 10, p. 100, *diecki*, fig. 11, p. 101, Madagascar, THÉRY, Bupr. Madag.; *P. cupreopunctata*, Texas, SCHAEFFER, p. 147, Bull. Brooklyn Inst. i : **n. spp.**

Ptosima 11-*maculata* var. n. *multimaculata*, PIC, p. 177, Echange xxi.

Sphenoptera aliena, E. Africa, OBST, p. 424, Zool. Jahrb. Syst. xxii, **n. sp.**

Stenianthe carbonaria, Madagascar, THÉRY, pl. i, fig. 2, p. 35, Bupr. Madag. **n. sp.**

Sternocera frutetorum, Nyassa, p. 142, KERREMANS, Mon. Buprest. i, **n. sp.**

Sternotomis pupieri, Comoro Ids., FLEUTIAUX, p. 7, Bull. Soc. ent. France 1905, **n. sp.**

Trachys hova, pl. v, fig. 20, *mocquerysi*, fig. 30, p. 150, *vivida*, fig. 31, p. 151, *decorsei*, fig. 32, *sicardi*, p. 153, *camboueí*, fig. 33, *spectrum*, fig. 34, p. 154, *niobæ*, fig. 35, *nyctelia*, fig. 36, p. 155, *immota*, fig. 37, p. 156, *corculum*, fig. 38, *dedita*, fig. 39, p. 157, *dira*, pl. vi, fig. 40, *grandiceps*, fig. 41, p. 158, *kervillei*, fig. 42, *fischeri*, fig. 43, p. 159, *compacta*, fig. 44, *creon*, fig. 45, p. 160, *deliæ*, pl. vii, fig. 46, p. 161, *corinna*, fig. 47, p. 162, Madagascar, THÉRY, Bupr. Madag. **n. spp.**

EUCNEMIDÆ and THROSCIDÆ.

Phyllocerus diversicornis, Taurus, PIC, p. 181, Echange xxi, **n. sp.**

Throscus bachofeni, Transcaspian, REITTER, p. 91, Wien. ent. Zeit. xxiv, **n. sp.**

ELATERIDÆ.

[Cf. DU BUYSSON (226–228), FALL (542), FIORI (569), FLEUTIAUX (580), PIC (1187, 1191), REITTER (1245), SCHWARZ (1169, 1170).]

Elateridæ, table of genera of palæarctic, of the families of *Sternoxia* and of the species of *Athouina*, REITTER, Verh. Ver. Brunn xliii. Heft lvi of Bestimmungs-Tabelle.

Adelocera auricollis, Madagascar, SCHWARZ, p. 273, Deutsche ent. Zeitschr. 1905; *A. subaurata*, Ceylon, SCHWARZ, p. 257, t. c. : **n. spp.**

Æolus and *Heteroderes*, relations, FLEUTIAUX, p. 322, Ann. Soc. ent. France 1905.

Agonischius subœnescens, Assam, SCHWARZ, p. 263, Deutsche ent. Zeitschr. 1905, **n. sp.**

Agriotes rubidicinctus, Mantchuria, DU BUYSSON, p. 16, Bull. Mus. Paris 1905, **n. sp.**

Alaotypus duchoni, Assam, SCHWARZ, p. 257, Deutsche ent. Zeitschr. 1905, **n. sp.**

Alaus rotundimaculatus, p. 284, *brevipennis*, *nigromaculatus*, p. 285, *tigrinus*, p. 286, W. Africa, SCHWARZ, t. c. **n. spp.**

Alcimathous **subg. n.** of *Athous* for *A. sacheri* Kies., REITTER, p. 42, Verh. Ver. Brunn xliii.

Arraphes diptychus Cand. var. = (*confusus* Fleut.), FLEUTIAUX, p. 327, Ann. Soc. ent. France 1905.

Athous; treated, BUYSSON, pp. 337–368, Faune gallo-rhénane; also REITTER, Verh. Ver. Brunn xliii.

A. olcesei, Tangier, BUYSSON, p. 211, Bull. Soc. ent. France 1905; *A. corvinus*, Syria, p. 38, *pullus*, Caucasus, *plicatulus*, E. Siberia, p. 40, *A.* (*Grypocarus*) *densatus*, S.-E. Europe, p. 43, *vittatoides*, Albania, p. 46, *A.* (*Anathrotus*) *villigeroides*, Monte Rosa, p. 55, *A.* (*Haplathous* subg. n. p. 61) *corcyreus*, p. 62, *kerkyranus*, p. 63, Corfu, *milleri*, Istria, p. 65, *angulifrons*, Eur. mont. p. 66, *stellatus*, Carnian Alps, p. 67, *dilaticornis*, Crimea, p. 68, *carpathicus*, Rodna mts. p. 71, *sosybius*, Daghestan, p. 73, *turcicus*, Turkey, p. 75, *A.* (*Orthathous* subg. n. p. 80) *leonhardi*, Herzegowina, p. 81, *harmodius*, *holtzi*, Greece, p. 85, *apfelbecki*, Servia, p. 86, *krugeri*, N. Spain, p. 88, *singularis*, Dalmatia, p. 89, *caviformis*, p. 90, *meuseli*, Bosnia, *cavulus*, Nikolajew, p. 91, *lomnickii*, Galicia, p. 92, *A.* (*Grypathous* subg. n. p. 92) *gerezianus*, Spain, p. 99, *serbicus*, Bosnia, *gobanzi*, Dalmatia, p. 105, *picipennis*, Banat, *carpathophilus*, Transsylvania, p. 106, *cervicolor*, Asturias, p. 107, *goriciensis* Görz, p. 110, *plagipennis*, Hungary, p. 112, REITTER, Verh. Ver. Brunn xliii: **n. spp.**

Calambus bipustulatus var. n. *epipleuralis*, DU BUYSSON, p. 17, Bull. Mus. Paris 1905.

Cardiophorus latelimbatus, Marocco, PIC, p. 105, Echange xxi; *C. impexus*, Biskra, p. 209, *sbeitlensis*, Tunis, p. 210, DU BUYSSON, Bull. Soc. ent. France 1905; *C. differens*, Madagascar, p. 289, *obliquemaculatus*, Natal, p. 290, SCHWARZ, Deutsche ent. Zeitschr. 1905; *C. arizonensis*, Arizona, FALL, p. 270, Canad. Ent. 1905: **n. spp.**

Cardiotarsus nitidissimus, Madagascar, SCHWARZ, p. 290, Deutsche ent. Zeitschr. 1905, **n. sp.**

Compsolacon **n. g.** for *Archontas crenicollis*, REITTER, p. 6, Verh. Ver. Brunn xliii.

Corymbites africanus, Transvaal, SCHWARZ, p. 291, Deutsche ent. Zeitschr. 1905, **n. sp.**

Diacanthous **subg. n.** of *Harminius* for *Athous undulatus*, REITTER, p. 25, Verh. Ver. Brunn xliii.

Dicronychus crassipes, S. Thomé, SCHWARZ, p. 282, Deutsche ent. Zeitschr. 1905, **n. sp.**

Dorigonus ceylanicus, Kandy, FLEUTIAUX, p. 321, Ann. Soc. ent. France 1905, **n. sp.**

Drasterius bimaculatus, *figuratus*, *ægyptiacus*, DU BUYSSON, p. 18, Bull. Mus. Paris 1905; *D. bimaculatus wachsmanni* subsp. n., REITTER, p. 91, Wien. ent. Zeit. xxiv.

Elasmosomus apicalis, p. 273, *pulchellus*, p. 274, *pulcher*, p. 275, Africa, SCHWARZ, Deutsche ent. Zeitschr. 1905, **n. spp.**

Elathouina **n. g.** for *A. amicus* Perr., REITTER, p. 19, Verh. Ver. Brunn xliii.

Elatrigus **n. g.** for *Tetrigus cyprius* Baudi, REITTER, p. 10, t. c.

Euplathous **subg. n.** of *Athous* type *A. vanus* Duf., REITTER, p. 76, t. c.

Grypathous **subg. n.** cf. *Athous.*
Haplathous **subg. n.** cf. *Athous.*
Harminius (*Megathous* subg. n. p. 27) for *Athous menetriesi*, *major*, Styria, p. 28, *jakobsoni*, Mongolia, **n. spp.**, p. 29, REITTER, Verh. Ver. Brunn xliii.
Hemicleus fasciculatus, p. 276, *longicollis*, p. 277, Africa, SCHWARZ, Deutsche ent. Zeitschr. 1905, **n. spp.**
Hemiops assamensis, p. 264, *duchoni*, p. 265, Assam, *angularis*, Sumatra, p. 266, SCHWARZ, t. c. **n. spp.**
Hemirraphes bivittatus, S. India, FLEUTIAUX, p. 326, Ann. Soc. ent. France 1905, **n. sp.**
Heterathous **subg. n.** of *Athous* for *A. sanguinicollis* Friv., REITTER, p. 32, Verh. Ver. Brunn xliii.
Homotechnes brunneus, S. India, FLEUTIAUX, p. 325, Ann. Soc. ent. France 1905, **n. sp.**
Hypnoidus incommodus, p. 325, *monadicoides*, *candezei*, p. 326, India, FLEUTIAUX, t. c. **n. spp.**
Lacon nebulosus, *bigranosus*, Madagascar, SCHWARZ, p. 278, Deutsche ent. Zeitschr. 1905; *L. niger*, Darjiling, p. 258, *principatus*, Ceylon, p. 259, SCHWARZ, t. c. : **n. spp.**
Leptoschema = (*Elathous* Reitt.), REITTER, p. 20, Verh. Ver. Brunn xliii.
Limoniscus **n. g.** for part of *Limonius*, *violaceus* etc., REITTER, p. 14, t. c.
Limonius (*Propheletes* subg. n.) *grandii*, Bologna, FIORI, p. 131, Riv. Col. ital. iii, **n. sp.**
Lobotarsus ambiguus, p. 279, *maculatus*, p. 280, Madagascar, *miser*, Gaboon, p. 281, SCHWARZ, Deutsche ent. Zeitschr. 1905, **n. spp.**
Ludius cinctus var. n. *semitestacea*, PIC, p. 181, Bull. Soc. ent. France 1905.
L. (*Calosirus*) *incostatus*, Syria, p. 169, *L.* (*Selatosomus*) *taygetanus*, Morea, p. 170, PIC, t. c.; *L. maindroni*, S. India, FLEUTIAUX, p. 329, Ann. Soc. ent. France 1905 : **n. spp.**
Megathous **subg. n.** cf. *Harminius.*
Melanathous **n. g.** *sequensi* **n. sp.**, Taygetos, REITTER, p. 25, Verh. Ver. Brunn xliii.
Melanoxanthus motschulskyi, N. India, p. 323, *pomachilioides*, Nilgiris, p. 324, FLEUTIAUX, Ann. Soc. ent. France 1905, **n. spp.**
Negastrius quadriguttatus, larva and pupa, pl. figg. 3, 4, p. 34, MJÖBERG, Arkiv Zool. ii, No. 17.
Nomopleus fleutiauxi, S. Africa, *macer*, E. Africa, p. 20, SCHWARZ, p. 292, Deutsche ent. Zeitschr. 1905, **n. spp.**
Odontonychus niger, Cameroons, SCHWARZ, p. 281, t. c. **n. sp.**
Orthathous **subg. n.** cf. *Athous.*
Paralacon **n. g.** for *Lacon cinnamomeus* Cand. ?, REITTER, p. 6, Verh. Ver. Brunn xliii.
Penia lateralis, p. 261, *marmorata*, *bimaculata*, p. 262, *niger*, p. 263, N. India, SCHWARZ, Deutsche ent. Zeitschr. 1905, **n. spp.**
Phedomenus pallipes, Madagascar, p. 287, *bipunctatus*, W. Africa, p. 288, SCHWARZ, t. c. **n. spp.**
Pleurathous **subg. n.** of *Athous* type *A. godarti*, REITTER, p. 48, Verh. Ver. Brunn xliii.
Procrærus **n. g.** for *Megapenthes tibialis* etc., REITTER, p. 11, t. c.
Propheletes **subg. n.** cf. *Limonius.*
Psephus assamensis, Kohima, SCHWARZ, p. 260, Deutsche ent. Zeitschr. 1905, **n. sp.**
Silesis vaulogeri, Algeria, BUYSSON, p. 110, Bull. Soc. ent. France 1905, **n. sp.**
Spilus africanus, W. Africa, SCHWARZ, p. 283, Deutsche ent. Zeitschr. 1905, **n. sp.**
Tetralobus duchoni, Assam, SCHWARZ, p. 260, t. c. **n. sp.**

Tropihypnus **n. g.** for *Paracardiophorus bimargo* Reitt., REITTER, p. 9, Verh. Ver. Brunn xliii.

CEBRIONIDÆ.

Cebrio xanthoderes var. n. *vaulogeri*, p. 153, *C. guyoni* var. n. *obscurior*, p. 154, PIC, Echange xxi.
C. subattenuatus, *pelissieri*, Algeria, PIC, p. 154, t. c. **n. spp.**

MALACODERMIDÆ.

[(Cf. BARBER (75), BOURGEOIS (150–157), CHAIGNON (296), FAIRMAIRE (534), FIORI (568, 570), GORHAM (676), GOUNELLE (677), KNAB (871), OLIVIER (1121–1123), PIC (1180, 1182, 1186, 1187, 1189–1193).]

Isochromism of *Lycidæ*, and of insects resembling them, GOUNELLE, Bull. Soc. ent France 1905, pp. 132–134.

Absidia obscuricolor, Japan, PIC, p. 121, Echange xxi, **n. sp.**
Acanthocnemus brevicornis, note, PIC, p. 23, Bull. Soc. ent. France 1905.
Anthocomus coriaceus, S. Africa, GORHAM, p. 275, P. Zool. Soc. London 1905, ii, **n. sp.**
Astylus argentinus, S. America, PIC, p. 92, Naturaliste 1905, **n. sp.**
Attalus nourricheli, var. n. *marginatus*, LEONI, pp. 106–109, Riv. Col. ital. iii.
A. fruhstorferi, Darjeeling, PIC, p. 92, Naturaliste 1905 ; *A. obscuripennis*, Algeria, PIC, p. 154, Echange xxi : **n. spp.**
Axinotarsus robustus, Tangier, PIC, p. 106, t. c. **n. sp.**
Calopteron variegatum var. n. *flavofasciatum*, p. 11, *torquatum albofasciatum* var. n. p. 113, *reticulatum inhumerale* var. n. p. 115, *melanoxanthum geayianum* var. n. p. 117, *limbatum signatum* var. n. p. 119, BOURGEOIS, Ann. Soc. ent. France 1905.
Cantharis bicolor var. n. *discotestacea*, *C. lateralis* var. n. *nigronotata*, PIC, p. 186, Echange 1905 ; *C. parnassicus* var. n. *latemaculata*, PIC, p. 161, t. c. ; *C. fusca* varr. n. *marsicana fracassii*, LEONI, p. 130, Riv. Col. ital. iii.
C. guilleti, Japan, PIC, p. 113, Echange xxi, **n. sp.**
Cladophorus biafrensis, p. 191, *bolivari*, p. 192, Spanish Guinea, BOURGEOIS, Mem. Soc. Espan. i ; *C. satrapa*, Kurseong, BOURGEOIS, p. 47, Ann. Soc. ent Belgique 1905 : **n. spp.**
Curtos motschulskyi, Java, OLIVIER, p. 208, Ann. Soc. ent. Belgique 1905, **n. sp.**
Cyrtopteron **n. g.** for part of *Calopteron*, BOURGEOIS, p. 122, Ann. Soc. ent. France 1905.
Cyrtosus baborensis, Algeria, PIC, p. 121, Echange xxi, **n. sp.**
Dalthomes **subg. n.** cf. *Malthodes*.
Danacaca moreana, Greece, PIC, p. 161, Echange xxi, **n. spp.**
Dictyoptera taygetana, Greece, PIC, p. 185, t. c. ; *D. braeti*, Kurseong, BOURGEOIS, p. 47, Ann. Soc. ent. Belgique 1905 : **n. spp.**
Dolichomorphus **subg. n.** cf. *Psilothrix*.
Drilus creticus, Crete, PIC, p. 170, Echange xxi, **n. sp.**
Ebœus carinatipennis, Sikkim, PIC, p. 92, Naturaliste 1905, **n. sp.**
Hedonistes **n. g.** near *Hedybius*, p. 278, *lætus*, **n. sp.**, Cape Colony, p. 279, GORHAM, P. Zool. Soc. London 1905, ii.
Hedybius sculpticeps, p. 275, *quadricornis*, p. 276, S. Africa, GORHAM, t. c. **n. spp.**
Idiopteron **n. g.** for part of *Calopteron*, p. 120, *bivittatum* var. n. *morosum*, p. 121, BOURGEOIS, Ann. Soc. ent. France 1905.

Laius diabolicus, Sumatra, *rouyeri*, *carinaticeps*, Java, Pic, p. 104, Echange xxi; *L. variolosus*, *miles*, Ceylon, Bourgeois, p. 131, Ann. Soc. ent. France 1905 : **n. spp.**

Luciola italica, nature of light, Passerini, pp. 181–183, Bull. Soc. ent. Ital. xxxvi.

L. horni, *antennalis*, Ceylon, Bourgeois, p. 128, Ann. Soc. ent. France 1905; *L. gemina*, White Nile, Olivier, p. 9, Jägerskiöld exp. No. 10*a*; *L. krugeri*, *mendax*, Africa, *nitescens*, Borneo, p. 206, *sordida*, Java, *calceata*, Pondichery, p. 207, Olivier, Ann. Soc. ent. Belgique 1905 : **n. spp.**

Lycostomus nigricollis, Kurseong, Bourgeois, p. 46, Ann. Soc. ent. Belgique 1905, **n. sp.**

Lycus (*Lycostomus*) *vaucheri*, Atlas, Bourgeois, p. 291, Bull. Soc. ent. France 1905, **n. sp.**

Macrolampis; redefined, p. 311, *M. omissus*, *elapsus*, p. 315, *roberti*, *frater*, *distinguendus*, p. 316, *transversenotatus*, *agonus*, p. 317, *meditabundus*, *cylindrus*, p. 318, **n. spp.**, S. America, Olivier, Ann. Soc. ent. France 1905.

Malthinus bilineatus var. n. *neapolitana*, Pic, p. 186, Echange 1906.

M. nitidithorax, p. 145, *terrestris*, p. 146, Algeria, Pic, t. c. **n. spp.**

Malthodes maurus; *Podistrina continua* is wingless ♀, Bourgeois, p. 238, Bull. Soc. ent. France 1905.

M. gavoyi, Aude, Bourgeois, p. 21, t. c.; *M. grandicornis*, Algeria, Pic, p. 106, Echange xxi; *M. cortadesi*, *inapicalis*, Algeria, Pic, p. 146, t. c.; *M.* (*Dalthomes* subg. n. p. 248) *bertolinii*, Italy, p. 248, Fiori, Riv. Col. ital. iii : **n. spp.**

Malthodinus **subg. n.** of *Maltharcus*, Fiori, p. 236, t. c.

Mesomalthodes **n. g.** for part of *Malthodes*, pp. 236, 250, Fiori, t. c.

Mesopteron **n. g.** for part of *Calopteron*, p. 123, *riveti* **n. sp.**, Ecuador, p. 125, Bourgeois, Ann. Soc. ent. France 1905.

Metapteron **n. g.** for part of *Calopteron*, Bourgeois, p. 126, t. c.

Phengodes plumosa, light of, Knab, p. 239, Canad. Ent. 1905; *P. laticollis*, sexes, Barber, p. 196, P. ent. Soc. Washington 1905; *P. hieronymi*, Schwarz, p. 197, t. c.

Philhedonus sericeus, p. 277, *rugulosus*, p. 278, S. Africa, Gorham, P. Zool. Soc. London 1905, ii, **n. spp.**

Photuris, display of light, Knab, p. 238, Canad. Ent. 1905.

P. corvus, Bolivia, p. 208, *vestita*, *subdola*, Brazil, p. 209, Olivier, Ann. Soc. ent. Belgique 1905, **n. spp.**

Plateros (*Planeteros*) *curtus*, *escaleræ*, p. 194, *flavus*, p. 195, Spanish Guinea, Bourgeois, Mem. Soc. Espan. i, **n. spp.**

Podabrus alpinus var. n. *ruficeps*, Gabriel, p. 142, Deutsche ent Zeitschr. 1905.

P. longissimus, Japan, Pic, p. 113, Echange xxi, **n. sp.**

Promalthodes **n. g.** for part of *Malthodes*, pp. 235, 240, Fiori, Riv. Col. ital. iii.

Prothalmodes **subg. n.** of *Malthodes*, Fiori, p. 239, t. c.

Psilothrix (*Dolichomorphus* subg. n.) *rufimanus*, Bologna, Fiori, p. 82, t. c. **n. sp.**

Rhagonycha fulva, oviposition, Friedrichs, p. 493, Zeitschr. Insbiol. i; *R. testacea* var. n. *taurinensis*, Pic, p. 105, Echange xxi.

R. forticornis, Bulghar Dagh, Pic, p. 177, t. c.; *R. holtzi*, Greece, Pic, p. 186, t. c.; *R.* (*Absidia*) *vaulogeri*, Algeria, Bourgeois, p. 106, Bull. Soc. ent. France 1905; *R. drurei*, Kurdistan, Pic, p. 161, Echange xxi; *R. caroli*, Japan, Pic, p. 121, t. c. : **n. spp.**

Selasia (*Euptilia*) *horni*, Ceylon, Bourgeois, p. 130, Ann. Soc. ent. France 1905, **n. sp.**

Silis ceylonica, Kandy, Bourgeois, p. 129, Ann. Soc. ent. France 1905;

S. spinicollis, Madagascar, FAIRMAIRE, p. 124, Ann. Soc. ent. Belgique 1905 : **n. spp.**

Stadenus bolivari, Spanish Guinea, BOURGEOIS, p. 193, Mem. Soc. Espan. i, **n. sp.**

Telephorus; larval habits, REMER, pp. 12–14 z.-b. Sekt., Jahresber. Schlesisch. Ges. lxxxi.

T. testaceipes, Madagascar, FAIRMAIRE, p. 124, Ann. Soc. ent. Belgique 1905, **n. sp.**

Trichoceble fulvohirta and allies, FIORI, p. 87, Riv. Col. ital. iii.

Zelotypus horni, Ceylon, BOURGEOIS, p. 132, Ann. Soc. ent. France 1905, **n. sp.**

Zygia notaticollis, Obock, PIC, p. 130, Echange xxi ; *Z. alluaudi*, E. Africa, PIC, p. 303, Bull. Soc. ent. France 1905 : **n. spp.**

Xylobanus cardoni, Bengal, BOURGEOIS, p. 48, Ann. Soc. ent. Belgique 1905, **n. sp.**

CLERIDÆ.

[Cf. GORHAM (676), HINTZ (750), SCHAEFFER (1324), SKINNER (1408), WICKHAM (1630).]

Aphelochroa nigripes, W. Africa, HINTZ, p. 308, Deutsche ent. Zeitschr. 1905, **n. sp.**

Cardiostichus ; the W. African, HINTZ, p. 310, t. c.

Cephaloclerus tibialis, p. 311, *flavipes*, p. 312, W. Africa, HINTZ, t. c. **n. spp.**

Clerus quercus, p. 154, *pinus*, Arizona, *humeralis*, California, p. 155, SCHAEFFER, Bull. Brooklyn Inst. i : *C. bimaculatus*, Arizona, SKINNER, p. 291, Ent. News Philad. xvi : **n. spp.**

Cylidrus ; colour-variation, etc., HINTZ, p. 305, Deutsche ent. Zeitschr. 1905.

Cymatodera ; sex-characters, SCHAEFFER, pp. 152, 153, Bull. Brooklyn Inst. i.

C. uniformis, Arizona, p. 151, *santarosæ*, Lower California, p. 152, SCHAEFFER, t. c.; *C. tricolor*, Arizona, SKINNER, p. 292, Ent. News Philad. xvi : **n. spp.**

Dozocolletus sordidus, Algoa Bay, GORHAM, p. 274, P. Zool. Soc. London 1905, ii, **n. sp.**

Erymanthus ater, W. Africa, HINTZ, p. 309, Deutsche ent. Zeitschr. 1905, **n. sp.**

Euplacocerus dimidiatus var. = (*apicalis*), HINTZ, p. 311, t. c.

Gyponyx algoensis, p. 272, *braunsi*, p. 273, S. Africa, GORHAM, P. Zool. Soc. London 1905, ii, **n. spp.**

Hydnocera niveifascia, Arizona, SCHAEFFER, p. 156, Bull. Brooklyn Inst. i ; *H. knausii*, Kansas, WICKHAM, p. 168, Canad. Ent. 1905 : **n. spp.**

Necrobia pilifera var. n. *cupreonitens*, LAUFFER, p. 406, Bol. Soc. espan. v.

Opilo signatus, W. Africa, HINTZ, p. 307, Deutsche ent. Zeitschr. 1905, **n. sp.**

Orthopleuroides, characters ; HINTZ, p. 313, t. c.

Oxystigmatium cornutum, W. Africa, HINTZ, p. 309, t. c. **n. sp.**

Philoculus convexus, *elongatus*, W. Africa, HINTZ, p. 306, t. c. **n. spp.**

Phlœocopus niger, *rufipennis*, Africa, HINTZ, p. 307, t. c. **n. spp.**

Plathanocera albopunctata, W. Africa, HINTZ, p. 310, t. c. **n. sp.**

Tenerus orientalis to *Lacordairius*, HINTZ, p. 314, t. c.

T. marginalis, p. 312, *grandis*, *miniatus*, *auratus*, p. 313, W. Africa, HINTZ, t. c. **n. spp.**

Thanasimus ornatus, W. Africa, HINTZ, p. 308, t. c. **n. sp.**

Tillodenops **n. g.** p. 305, *brunneus*, **n. sp.**, W. Africa, p. 306, HINTZ, t. c.

Thriocera bicinctella, S. Africa, GORHAM, p. 274, P. Zool. Soc. London 1905, ii, **n. sp.**

PTINIDÆ.

[Cf. FALL (538), LEA (928), LEINBERG (934), PIC (1175, 1182, 1187, 1188, 1192).]

Revision of *Ptinidæ* of North America, FALL, pp. 97–295, Tr. Amer. ent. Soc. xxxi.

Actenobius **n. g.** for part of *Euceratocerus*, FALL, p. 155, t. c.
Anobiopsis **n. g.** p. 177, *sericans*, **n. sp.**, California, p. 178, FALL, t. c.
Cænocara frontalis, p. 271, *blanchardi*, p. 273, *neomexicana*, p. 274, *tenuipalpa*, p. 275, *inepta*, *ovalis*, p. 276, N. America, FALL, t. c. **n. spp.**
Cathorama cribrata, *goyosensis*, Brazil, PIC, p. 92, Naturaliste 1905 ; *C. vitiosum*, *impressifrons*, p. 234, *mutans*, p. 235, *grande*, *lentum*, *conophilum*, p. 236, *simplex*, *metasternale*, *inæquale*, p. 237, *gibbulum*, p. 238, *carinatum*, p. 239, *densum*, *dichroum*, *nigripenne*, p. 240, *dispar*, p. 241, *vestitum*, *placidum*, p. 242, *posticum*, *tumidum*, *nubilum*, p. 243, *longulum*, *uniforme*, *fastigiatum*, p. 244, *otiosum*, *congruum*, *vexatum*, p. 245, *porosum*, *convexum*, p. 247, *politum*, *triviale*, *conjunctum*, p. 248, *consobrinum*, p. 249, *pingue*, *vacuum*, p. 250, *cicatricosum*, *geminatum*, p. 251, *gracile*, *mancum*, *validum*, *confusum*, p. 252, *angustum*, p. 253, *parvum*, *turbidum*, p. 254, *indistinctum*, *exiguum*, p. 255, N. America, FALL, Tr. Amer. ent. Soc. xxxi : **n. spp.**
Cœlosthethus americanus, p. 178, *alternatus*, *truncatus*, p. 188, FALL, t. c. **n. spp.**
Colposternus **n. g.** for *Trypopitys tenuilineatus* Horn, FALL, p. 190, t. c.
Cryptorama **n. g.** *oblongum*, Lower California, p. 256, *vorticale*, p. 257, **n. spp.**, N. America, FALL, t. c.
Episernus granulatus var. n. *sulcatus*, LEINBERG, p. 18, *angulicollis* var. n. *striatulus*, p. 20.
E. tenuicollis, Finland, id., p. 21, t. c. **n. sp.**
Ernobius nigrinus and allies distinguished, GERHARDT, p. 221, Deutsche ent. Zeitschr. 1905.
E. socialis, p. 142, *convergens*, p. 143, *collaris*, *crotchii*, p. 144, *lacustris*, *fissuratus*, *nigrans*, p. 146, *pallitarsis*, *montanus*, p. 147, *opicus*, p. 149, *gentilis*, *trapezoideus*, p. 151, N. America, FALL, Tr. Amer. ent. Soc. xxxi, **n. spp.**
Eupactus = (*Thaptor* Gorh.) *nactus*, *advenus*, *obsoletus*, p. 220, *amœnus*, *mixtus*, p. 221, *canonicus*, *similis*, p. 222, N. America, FALL, t. c. ; *E. dejeani*, Mexico, PIC, p. 115, Echange xxi ; *E. testaceipes*, Cuba, PIC, p. 92, Naturaliste 1905 : **n. spp.**
Eutylistus **n. g.** p. 264, *ulkei*, *levisternus*, p. 266, *fallax*, p. 267, *facilis*, p. 268, **n. spp.**, N. America, FALL, Tr. Amer. ent. Soc. xxxi.
Eurrilletta **n. g.** p. 196, *xyletinoides* **n. sp.**, p. 197, California, FALL, t. c.
Hadrobregmus defectus, p. 182, *pusillus*, p. 183, *laticollis*, *umbrosus*, p. 184, N. America, FALL, t. c. **n. spp.**
Hedobia angulata, California, FALL, p. 130, t. c. **n. sp.**
Lasioderma bicolor, *semirufum*, *hemiptychoides*, N. America, FALL, p. 205, t. c. **n. spp.**
Megorama **n. g.** p. 206, *viduum*, p. 207, *ingens*, p. 208, **n. spp.**, California, FALL, t. c.
Microbregma emarginatum var. n. *granicollis*, FALL, p. 185, t. c.
Microzogus **n. g.** *insolens* **n. sp.**, Florida, FALL, p. 135, t. c.
Niptinus **n. g.** *ovipennis* **n. sp.** p. 108, Texas, FALL, t. c.
Oligomerodes **n. g.** *occidentalis*, p. 161, *catalinæ*, p. 162, **n. spp.**, N. America, FALL, t. c.
Oligomerus tenellus, p. 164, *californicus*, p. 165, *brevipilis*, p. 166, **n. spp.**, N. America, FALL, t. c.

Ozognathus dubius, Arizona, FALL, p. 137, t. c. **n. sp.**
Paralobium **n. g.** p. 152, *mundum* **n. sp.**, California, p. 153, FALL, t. c.
Paussoptinus **n. g.** p. 381, between *Paussidæ* and *Ptinidæ*, *laticornis* **n. sp.**, Australia, p. 382, pl. xxvii, f. 7, LEA, P. Soc. Victoria xvii.
Petalium fauveli, Guadeloupe, p. 188, *alluaudi*, Madagascar, *longipenne*, Brazil, p. 189, PIC, Rev. Ent. franc. 1905 ; *P. schwarzi*, p. 214, *yuccæ*, *seriatum*, p. 215, *californicum*, p. 216, N. America, FALL, Tr. Amer. ent. Soc. xxxi : **n. spp.**
Priotoma gounellei, Brazil, PIC, p. 115, Echange xxi ; *Pristoma* (sic) *minuta*, Caracas, PIC, p. 93, Naturaliste 1905 : **n. spp.**
Pseudodorcatoma **n. g.** *ornata* **n. sp.**, Guadeloupe, PIC, p. 171, Echange xxi.
Ptinus superbus=(*pyrenæus* Pic), REITTER, p. 200, Wien. ent. Zeit. xxiv.
P. (*Gynopterus*) *barrosi*, Portugal, PIC, p. 170, Echange xxi ; *P. biscrensis*, Algeria, PIC, p. 106, t. c. ; *P. alternatus*, *cœlebs*, p. 116, *agnatus*, *cognatus*, p. 118, *longivestis*, p. 119, *strangulatus*, p. 120, *tumidus*, p. 121, *prolixus*, p. 122, *hystrix*, *eximius*, p. 123, *concurrens*, *fallax*, *vegrandis*, p. 125, *feminalis*, p. 126, N. America, FALL, Tr. Amer. ent. Soc. xxxi, **n. spp.**
Stichoptychus **n. g.** *agonus* **n. sp.**, Texas, FALL, p. 258, t. c.
Trichodesma klagesi, p. 173, N. America, *beyeri*, p. 174, Lower California, FALL, t. c. **n. spp.**
Utobium **n. g.** for *elegans* Horn, FALL, p. 134, t. c.
Vrilleta nigra, Mariposa, PIC, p. 171, Echange xxi ; *V. blaisdelli*, p. 194, *laurentina*, p. 195, *plumbea*, p. 196, N. America, FALL, Tr. Amer. ent. Soc. xxxi : **n. spp.**
Xarifa **n. g.** p. 137, *insularis* **n. sp.**, California, p. 138, FALL, t. c.
Xeranobium **n. g.** *laticeps*, p. 158, *macrum*, p. 159, *desertum*, p. 160, **n. spp.**, N. America, FALL, t. c.
Xyletinus semilimbatus var. *testaceipennis*, PIC, p. 97, Echange xxi.
X. distans, p. 200, *harrisii*, p. 201, *gracilipes*, p. 203, N. America, FALL, Tr. Amer. ent. Soc. xxxi, **n. spp.**
Xyletomerus **n. g.** p. 197, *histricus* **n. sp.**, California, p. 198, FALL, t. c.

LYMEXYLONIDÆ, BOSTRICHIDÆ, CIOIDÆ.

Atractocerus horni, Ceylon, BOURGEOIS, p. 133, Ann. Soc. ent. France 1905, **n. sp.**
Bostrychopsis villosula n. n. for *cephalotes* Lesne non Olivier, LESNE, p. 298, Bull. Mus. Paris 1905.
Enneadesmus sculptifrons, Caffraria, LESNE, p. 275, Bull. Soc. ent. France 1905, **n. sp.**
Sinoxylon doliolum, E. Africa, p. 275, *cafrum*, S. Africa, p. 276, LESNE, t. c. **n. spp.**
Rhipidandrus : see *Tenebrionidæ*.

TENEBRIONIDÆ.

[Cf. BROUN (194), CARTER (284), ESCALERA (523, 524), FAIRMAIRE (534, 535), GEBIEN (644–646), LEA (928), PIC (1184), REITTER (1244, 1246), SHARP (670).]

GEBIEN gives a long list of corrigenda to the *Tenebrionidæ* of the Munich Catalogue, and to Champion's supplement thereto ; Wien. ent. Zeit. xxiv, pp. 252–260.
Table of the subfamilies of palæarctic *Tenebrionidæ*, REITTER, pp. 25–34, Verh. Ver. Brunn xlii.
Twelve **spp. n.** *Tenebrionidæ*, Sinai, Crotch 1871 but not yet recorded, SHARP, p. 520, Ann. Nat. Hist. (7) xv.

Adelium helmsi, *reticulatum*, p. 181, *violaceum*, p. 182, *minor*, p. 183, *globulosum*, p. 184, Australia, CARTER, P. Linn. Soc. N. S. Wales xxx, **n. spp.**

Adesmia jægerskioeldi, White Nile, GEBIEN, p. 12, Jägerskiöld exp. No. 10*a*, **n. sp.**

Akidini, tables of palæarctic, REITTER, pp. 36–49, Verh. Ver. Brunn xlii.

Akis melitana, Malta, p. 40, *biskrensis*, Algeria, p. 41, REITTER, t. c. **n. spp.**

Alœphus nitidipennis, p. 275, California, *gracilis*, p. 276, Arizona, FALL, Canad. Ent. 1905, **n. spp.**

Alphasida **subg. n.** see *Asida*.

Ammidanemia **subg. n.** of *Anemia*, *asperula* Reitt. etc., REITTER, p. 132, Verh. Ver. Brunn xlii.

Asida; revision of Iberian, ESCALERA, pp. 377–402, 430–450, Bol. Soc. espan. v.

A. (*Alphasida* subg. n. p. 380) *gaditana*, p. 385, *volxemi*, *becerræ*, p. 387, *rufopubescens*, p. 388, *A.* (*Globasida* subg. n. p. 430) *cartagenica*, p. 433, *intermedia*, *bacaresensis*, p. 435, *frigida*, *rotunda*, *novissima*, p. 436, *deformis*, *almeriana*, p. 437, *nerjenensis*, p. 438, *segurensis*, *quadrata*, p. 439, *dubiosa*, *curvatipennis*, p. 440, Iberian penins., ESCALERA, t. c. **n. spp.**

Asidelia **n. g.** near *Nyctelia*, *contracta* **n. sp.**, Argentina, FAIRMAIRE, p. 296, Ann. Soc. ent. France 1905.

Aulonolcus **subg. n.** of *Lobothorax*, for *altaicus* Gebl., REITTER, p. 168, Verh. Ver. Brunn xlii.

Cabirus dentimanus, Samarcand, p. 64, *procerulus*, Aulie-Ata, p. 65, *punctícollis*, Buchara, *gracilis*, Mardin, p. 66, *castaneus*, Jerusalem, *subpubescens*, Beyrout, p. 67, *desbrochersi*, *simonis*, Syria, p. 68, REITTER, t. c. **n. spp.**

Callismilax bavayi, *variolosa*, p. 216, *interrupta*, *fulgurans*, p. 217, *cœlestina*, *numeensis*, p 218, *externa*, *basalis*, *suturalis*, p. 220, *arcitenens*, p. 221, *caviceps*, *gloriosa*, p. 222, *semiviolacea*, *plicicollis*, *auripennis*, p. 223, *virescens*, *sulcipennis*, p. 224, *setigera*, p. 225, New Caledonia, FAUVEL, Rev. Ent. franc. xxiv, **n. spp.**

Camaria tenuestriata, p. 126, *semiœnescens*, p. 127, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique 1905; *C. obtusa*, p. 300, *impressifrons*, *biaculeata*, p. 301, Argentina, FAIRMAIRE, Ann. Soc. ent. France 1905: **n. spp.**

Cerostena infravestita, p. 297, *semistrigosa*, p. 298, Argentina, FAIRMAIRE, t. c. **n. spp.**

Cilibe costella, New Zealand, BROUN, p. 544, Ann. Nat. Hist. (7) xv, **n. sp.**

Colpopatrum **subg. n.** of *Opatrum*, for *asperipenne* Reitt., REITTER, p. 148, Verh. Ver. Brunn xlii.

Colpotus punctipleuris, Asia Minor, REITTER, p. 63, t. c. **n. sp.**

Coripera morleyana, p. 184, *distincta*, p. 185, N. S. Wales, CARTER, P. Linn. Soc. N. S. Wales xxx, **n. spp.**

Dendaroscelis **subg. n.** cf. *Dendarus*.

Dendarus (*Pandarinus*) *seidlitzi*, Dalmatia, p. 80, *vagabundus* (n. n. for *vagans* Reitt.), Transcaspian, p. 84, *D. scoparipes*, Cerigo, p. 86, *D.* (*Dendaroscelis* subg. n.) *serripes*, Spain, p. 92, REITTER, Verh. Ver. Brunn xlii, **n. spp.**

Diastolinus acuticollis, *quadricollis*, *fortipes*, Argentina, FAIRMAIRE, p. 299, Ann. Soc. ent. France 1905, **n. spp.**

Dietopsis bucculata, *tenuis*, Tucuman, FAIRMAIRE, p. 302, t. c. **n. spp.**

Dilamus bohmi, Egypt, REITTER, p. 71, Verh. Ver. Brunn xlii, **n. sp.**

Discotus **subg. n.** cf. *Lobothorax*.

Ectomopsis **n. g.** near *Camarimena*, p. 299, *bruchi* **n. sp.**, Argentina, p. 300, FAIRMAIRE, Ann. Soc. ent. France 1905.

Eledona; structure of feet, relations with *Rhipidandrus*, SHARP, Biol. Centr.-Amer. Col. ii, pt. 1, p. 690.
Emallodera granocostata, *strangulata*, Argentina, FAIRMAIRE, p. 290, Ann. Soc. ent. France 1905, **n. spp.**
Encara nigrum, N. S. Wales CARTER, p. 178, P. Linn. Soc. N. S. Wales xxx, **n. sp.**
Entomoderes pustulosus, Argentina, FAIRMAIRE, p. 298, Ann. Soc. ent. France 1905, **n. sp.**
Epipedonota planiuscula, Argentina, FAIRMAIRE, p. 297, t. c. **n. sp.**
Eulipus quirogai, Rio de Oro, ESCALERA, p. 468, Bol. Soc. espan. v, **n. sp.**
Eumylada **subg. n.** of *Myladina*, *punctifera* Reitt. etc., REITTER, p. 170, Verh. Ver. Brunn xlii.
Eurycaulus (*Scleronimon* subg. n.) *peyerimhoffi*, Sinai, *granulatus*, Egypt, REITTER, t. c. **n. spp.**
Eustenia **n. g.** near *Praogena*, *tenuimembris* **n. sp.**, Tucuman, FAIRMAIRE, p. 303, Ann. Soc. ent. France 1905.
Globasida **subg. n.** see *Asida*.
Gonocephalum arisi, Transcaspian, REITTER, p. 92, Wien. ent. Zeit. xxiv, **n. sp.**
Gonocephalum quadrinodosum, China, p. 146, *G.* (*Megadasus* subg. n. p. 146) *subsetosum*, Canton, p. 147, REITTER, Verh. Ver. Brunn xlii, **n. spp.**
Heliocrates **subg. n.** cf. *Heliophilus*.
Heliophilus (*Heliocrates* subg. n.) *strigosus*, p. 98, *humerangulus*, Andalusia, *sulcipennis*, Escorial, p. 99, *H. parcefoveatus*, Spain and Portugal, p. 100, *immarginatus*, *conjunctus*, p. 101, *heydeni*, *sculpturatus*, p. 102, *subimpressus*, p. 103, Spain, REITTER, t. c. **n. spp.**
Hemitrichestes **subg. n.** of *Lobothorax* for *hirsutus* Reitt., REITTER, p. 169, t. c.
Heterophylus seriepunctatus, Algeria, p. 69, *tibialis*, Transcaspian, p. 70, REITTER, t. c. **n. spp.**
Heterotarsus insularis, Madagascar, FAIRMAIRE, p. 125, Ann. Soc. ent. Belgique 1905, **n. sp.**
Hoplambius **subg. n.** of *Melambius*, *Hoplarion melamboides*, REITTER, p. 114, Verh. Ver. Brunn xlii.
Hoplariobius **subg. n.** of *Micrositus* for *decurvatus* Fairm., etc., REITTER, p. 115, t. c.
Isocerus cameroni, Portugal, REITTER, p. 78, t. c. **n. sp.**
Japetus **subg. n.** of *Lobothorax* for *Opatrum melanarium* Er., REITTER, p. 160, t. c.
Lesbidana **subg. n.** cf. *Melanesthes*.
Litoborus subtilimargo, Algeria, REITTER, p. 113, Verh. Ver. Brunn xlii, **n. sp.**
Litororus **subg. n.** of *Olocrates* for *semicostatus* Muls., REITTER, p. 96, t. c.
Lobothorax (*Discotus* subg. n. p. 161) *netuschili*, Chinese Turkestan, p. 162, *L. auliensis*, Aulie-Ata, p. 163, *oblongopunctatus*, Transcaspian, p. 164, REITTER, t. c. **n. spp.**
Megadasus **subg. n.** cf. *Gonocephalum*.
Melanesthes (*Lesbidana* subg. n. p. 173) *coriaria*, Turkestan, p. 173, REITTER, Verh. Ver. Brunn xlii, **n. sp.**
Meladocrates **subg. n.** of *Olocrates*, *planiusculus* and *viaticus* Muls., REITTER, p. 96, t. c.
Menephilus æneus, Sydney, CARTER, p. 179, P. Linn. Soc. N. S. Wales xxx, **n. sp.**
Mesomorphus **n. g.** p. 73, *varendorffi*, Madeira or Congo, *dermestoides*, Centr. China, p. 74, **n. spp.**, REITTER, Verh. Ver. Brunn xlii.
Micrositus opacus, Besika Bay, p. 116, *M.* (*Platyolus*) *tenebrioides*, Huelva,

p. 118, *milleri*, p. 120, *lapidarius*, p. 121, Andalusia, REITTER, t. c. **n. spp.**

Miglica **subg. n.** of *Melanesthes* for *laticollis* Gebl., REITTER, p. 171, t. c.

Mogadoria **n. g.** for *Eulipus subelegans* Fairm., ESCALERA, p. 467, Bol. Soc. espan. v.

Mongolesthes **subg. n.** of *Melanesthes* for *heydeni* Csiki, REITTER, p. 174, Verh. Ver. Brunn xlii.

Morica pharao Egypt, REITTER, p. 38, t. c. **n. sp.**

Netuschilia **n. g.** for *Lachnopus hauseri*, REITTER, p. 35, t. c.

Nyctelia timarchoides, *suturacava*, p. 291, *geometrica*, *confluens*, *discoidalis*, *exasperata*, p. 292, *biapoides*, *pinguis*, *quadricarinata*, p. 293, *unicostata*, *bifoveata*, *planicauda*, p. 294, *producta*, *dorsata*, *crassecostata*, p. 295, *quadricollis*, p. 296, Argentina, FAIRMAIRE, Ann. Soc. ent. France 1905, **n. spp.**

Nycteropus protensus, *chrysochalceus*, p. 125, *attenuatus*, *crassicollis*, p. 126, Madagascar, FAIRMAIRE, p. 126, Ann. Soc. ent. Belgique 1905, **n. spp.**

Ochrolamus **subg. n.** of *Dilamus* for *pictus* Mars., REITTER, Verh. Ver. Brunn xlii.

Olocrates italicus, Italy, p. 93, *hamilcaris*, Andalusia, p. 94, *subheliopates*, Spain, p. 95, REITTER, t. c. **n. spp.**

Opatrini ; the palæarctic tabulated, REITTER, pp. 106–182, t. c.

Opatronesthes **subg. n.** of *Melanesthes* for *punctipennis* Reitt., REITTER, p. 174, t. c.

Opatrum tebessanum, Algeria, p. 153, *cypræum*, Cyprus, p. 155, *italicum*, Ischia, p. 156, *alutaceum*, Khartoum, p. 158, REITTER, t. c. **n. spp.**

Otrintus jacksoni, N. S. Wales, CARTER, p. 180, P. Linn. Soc. N. S. Wales xxx, **n. sp.**

Pachypterus serrulatus, Caucasus, REITTER, p. 75, Verh. Ver. Brunn xlii, **n. sp.**

Pedinus bodemeyeri, Asia Minor, p. 56, *paradoxus*, Syria, p. 59, *strigicollis*, Taurus, p. 61, REITTER, t. c. **n. spp.**

Pentholasius **subg. n.** of *Clitobius* for *variolatus* Allard, REITTER, p. 178, t. c.

Penthomegus **subg. n.** of *Lobothorax* for *granulosus* Mén. etc., REITTER, p. 162, t. c.

Phobelius semigranosus, Tucuman, FAIRMAIRE, p. 300, Ann. Soc. ent. France 1905, **n. sp.**

Phylax insignis, Syria, REITTER, p. 110, Verh. Ver. Brunn xlii, **n. sp.**

Piloxys perrieri, Madagascar, FAIRMAIRE, p. 127, Ann. Soc. ent. Belgique 1905, **n. sp.**

Pimelia punctata var. n. *manchega*, LAUFFER, p. 406, Bol. Soc. espan. v.

Psectrascelis coriaria, Argentina, FAIRMAIRE, p. 297, Ann. Soc. ent. France 1905, **n. sp.**

Pseudogena semiopaca, Madagascar, FAIRMAIRE, p. 126, Ann. Soc. ent. Belgique 1905, **n. sp.**

Pterohelæus icarus, N. S. Wales, CARTER, p. 177, P. Linn. Soc. N. S. Wales xxx, **n. sp.**

Rhipidandri classified with *Eledona* near *Bolitophagini*, SHARP, Biol. Centr.-Amer. Col. ii, pt. 1, p. 691.

Rhipidandrus mexicanus, *championi*, Centr. America, SHARP, p. 691, t. c. **n. spp.**

Rhizalemus **subg. n.** of *Dendarus*, *D. pauper*, etc., REITTER, p. 90, Verh. Ver. Brunn xlii.

Scleron æquale, Arabia, p. 124, *subclathratum*, Egypt, p. 125, *discicolle*, India and Java, p. 126, REITTER, t. c. **n. spp.**

Scleronimon **subg. n.** cf. *Eurycaulus*.

Scotobius caraboides, *cribricollis*, *quadricostatus*, Argentina, FAIRMAIRE, p. 289, Ann. Soc. ent. France 1905, **n. spp.**

Solskyia subperegrina, Turkestan, REITTER, p. 49, Verh. Ver. Brunn xlii, **n. sp.**
Stenopsis punica, Tunis, PIC, p. 98, Echange xxi, **n. sp.**
Tenebrio noctivagus var. n. *intermedius*, FIORI, p. 226, Riv. Col. ital. i; *T.*, parthenogenetic eggs, SALING, Zool. Anz. xxix, pp. 587–590.
Thesilea mirabilis, p. 210, *kanalensis*, *politula*, *versicolor*, p. 211, *purpurea*, p. 213, New Caledonia, FAUVEL, Rev. Ent. franc. xxiv, **n. spp.**
Trachymetus **n. g.** for *Pachypterus elongatus* Muls., REITTER, p. 76, Verh. Ver. Brunn xlii.
Tribolium myrmecophilum, Australia, LEA, p. 383, P. Soc. Victoria xvii, **n. sp.**

CISTELIDÆ.

[Cf. BEDEL (92), FAIRMAIRE (535), FAUVEL (550A), PIC (1191, 1193), SCHAEFFER (1324).]

Alethia carbonaria, Arizona, SCHAEFFER, p. 176, Bull. Brooklyn Inst. i, **n. sp.**
Allecula strigicollis, p. 227, *rugicollis*, p. 228, *quadrillum*, p. 229, *phyllocera*, *simplex*, p. 230, *tenuicornis*, p. 231, *pusilla*, *insulana*, p. 232, *lævior*, *cupreipennis*, p. 233, *umbonata*, p. 234, *montana*, *curticollis*, p. 235, *anthracina*, *opacula*, p. 236, New Caledonia, FAUVEL, Rev. Ent. franc. xxiv, **n. spp.**
Crypticus vaucheri, Marocco, BEDEL, p. 272, Bull. Soc. ent. France 1905, **n. sp.**
Cteniopus angustatus, Mesopotamia, PIC, p. 177, Echange xxi, **n. sp.**
Hymenalia obscuripennis, Adana, PIC, p. 162, Echange xxi, **n. sp.**
Lystronychus humeralis, Tucuman, FAIRMAIRE, p. 302, Ann. Soc. ent. France 1905, **n. sp.**
Omophlus splendidus, Marocco, BEDEL, p. 272, Bull. Soc. ent. France 1905, **n. sp.**
Phedius funereus, Arizona, SCHAEFFER, p. 176, Bull. Brooklyn Inst. i, **n. sp.**

MELANDRYIDÆ.

Phryganophilus ruficollis var. n. *rosti* (= *Melandrya ruficollis* Lewis), HUBENTHAL, p. 57, Deutsche ent. Zeitschr. 1905.
Abdera viberti, Algeria, PIC, p. 98, Echange xxi, **n. sp.**
Phlœotrya nebulosa, p. 237, *lancifera*, p. 238, New Caledonia, FAUVEL, Rev. Ent. franc. 1904, **n. spp.**

LAGRIIDÆ.

Nemostira vittulata, *fuscipennis*, p. 127, *striatopunctata*, p. 128, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique 1905, **n. spp.**
Statira defecta, p. 175, *huachucæ*, p. 176, Arizona, SCHAEFFER, Bull. Brooklyn Inst. i; *S. simulans*, Texas, *robusta*, Arizona, SCHAEFFER, p. 180, J. N. York Ent. Soc. i **n. spp.**

XYLOPHILIDÆ, ANTHICIDÆ.

[Cf. CARTER (284), PIC (1170, 1172, 1176–1178, 1187, 1196), REITTER (1249).]

PIC completes his revision of *Hylophilidæ*, Ann. Soc. ent. France 1905, pp. 181–286, pl. vii.

Anthicus latedecoratus var. n. *rosti*, Pic, p. 113, Echange xxi ; *A. salsolæ* Motsch. is *Stenidius tenuipes* Laf., *umbrinus* Laf. is *terrestris* Motsch., *marinus* Motsch. is *dentatus* Pic, *liquidus* Motsch. is *tristis* Sch., *impressus* Motsch. = *tenellus* Laf. = *transversalis* Villa, p. 491, *A. palustris* n. n. for *lacustris* Motsch. p. 490, Pic, Annuaire Mus. St. Petersb. ix.

A. fœdus, *A.* (*Lappus*) *proprius*, p. 492, *distincticeps*, Peru, *herzi*, Transcaspian, p. 493, Pic, Annuaire Mus. St. Petersb. ix ; *A. arisi*, Samarcand, Pic, p. 186, Echange 1905 ; *A. lobatus*, Algeria, *remotus*, Fiji, Pic, p. 99, Bull. Soc. ent. France 1905 : **n. spp.**

Egestria albilineata, N. S. Wales, Carter, p. 189, P. Linn. Soc. N. S. Wales xxx, **n. sp.**

Formicilla punctata, N. America, Pic, p. 491, Annuaire Mus. St. Petersb. lx, **n. sp.**

Formicomus sterbæ, Turkestan, Reitter, p. 206, Wien. ent. Zeit. xxiv ; *F. bozasi*, p. 242, *subrutilus*, p. 243, Africa, Pic, Bull. Mus. Paris 1905 : **n. spp.**

Hylophilus bottegoi, Lago, p. 197, *diversicornis*, Natal, p. 199, *punctatus*, Loyalty Ids., p. 204, *H.* (*Emelinus*) *magniceps*, p. 267, *H.* (*Elonus*) *distincticornis*, *H.* (*Scanylus*) *vicinus*, *H.* (*Vanonus*) *semibrunneus*, p. 268, *H. apicipennis*, *H.* (*Zonantes*) *obscuricolor*, *rufithorax*, p. 269, Brazil, *H.* (*Olotelus*) *apicalis*, S. Africa, p. 282, Pic, Ann. Soc. ent. France 1905 ; *H. escalerai*, *niger*, p. 203, *inimpressus*, *longus*, *validicornis*, p. 204, *bolivari*, p. 205, *dentatipes*, p. 206, *cephalotes*, *dispar*, *biafrensis*, p. 207, Spanish Guinea, Pic, Mem. Soc. Espan. i : **n. spp.**

Macratria basithorax, Shanghai, Pic, p. 48, Bull. Soc. ent. France 1905, **n. sp.**

Macrosiagon carinicollis, New Caledonia, Fauvel, p. 242, Rev. Ent. franc. 1905, **n. sp.**

Notoxus trifasciatus var. n. *rosti*, Pic, p. 113, Echange xxi.

Trotomma latipennis, Tunis, Pic, p. 130, t. c. **n. sp.**

Vanonus (= *Tanilotes*) *fusciceps*, *congener*, N. America, Casey, p. 163, Canad. Ent. 1905, **n. spp.**

Rhipiphoridæ.

Metoecus paradoxus, note on, Crawshay, p. 45, Ent. Mag. 1905.

Myodites antoniæ var., Pic, p. 165, Echange xxi.

Stylopidæ.

The natural history, structure and taxonomy of *Stylopidæ*, Perkins, Bull. exp. Stat. Hawaii i, pt. 3, 4 pls.

Bruesia **subg. n.**, see *Halictophagus*.

Deinelenchus **n. g.** pp. 107, 108, *australensis* **n. sp.**, Queensland, pp. 107, 109, pl. ii, fig. 7, Perkins, Bull. exp. Stat. Hawaii i.

Elenchus tenuicornis ♂ and ♀, pp. 106, 107, pls. i, ii, iii, Perkins, t. c.

Halictophagus (*Bruesia* subg. n. p. 102) *australensis*, *phæodes*, p. 103, *stenodes*, *H.* ? *schwarzii*, p. 104, Australia, *americanus*, Ohio, p. 105, Perkins, t. c. **n. spp.**

Megalechthrus **n. g.** p. 105, *tryoni* **n. sp.**, Queensland, p. 106, Perkins, t. c.

Xenos nigrescens, triungulin, p. 290, cuts, *X. pallidus* ♀, cut, p. 295, habits, Brues, Biol. Bull. viii.

MORDELLIDÆ.

[Cf. FAIRMAIRE (534), FAUVEL (550A).]

Anaspis (*Silaria*) *numeensis*, New Caledonia, FAUVEL, p. 241, Rev. Ent. franc. 1905, **n. sp.**

Glipa longipennis, Madagascar, FAIRMAIRE, p. 128, Ann. Soc. ent. Belgique 1905, **n. sp.**

Mordella polyspila, *aurocordata*, *ornata*, to *Glipa*, FAIRMAIRE, p. 128, t. c.

M. scutellaris, p. 128, *latefasciata*, p. 129, Madagascar, FAIRMAIRE, t. c. **n. spp.**

Mordellistena caledonica, New Caledonia, FAUVEL, p. 240, Rev. Ent. franc. 1905, **n. sp.**

CANTHARIDÆ.

[Cf. FAUVEL (550A), PIC (1187), REITTER (1248, 1254), SCHAEFFER (1323, 1324), WICKHAM (1630).]

Meloidæ of western France, HOULBERT & BÉTIS (784).

Alosimus viridissimus var. n. *bipartitus*, PIC, p. 107, Echange xxi.

A. atripes, Persia, PIC, p. 130, t. c. **n. sp.**

Epicauta obscurocephala, Tien-tsin, REITTER, p. 195, Wien. ent. Zeit. xxxiv, **n. sp.**

Isopentra merged in *Epicauta*, REITTER, l. c.

Lydus tenuicollis, Persia, REITTER, p. 246, t. c. **n. sp.**

Meloe matthieseni, *frontalis*, Persia, REITTER, p. 245, t. c. **n. spp.**

Pyrota virgata and *tenuicostatis*, SCHAEFFER, pp. 177, 178, Bull. Brooklyn Inst. i.

Zonabris curta, *wagneri*, pp. 167–170, *Z. curta* var. n. *ernesti*, p. 170, PIC, Rev. Sci. Bourbonnais 1905.

Zonitis dunniana and *perforata* Cas. to *Nemognatha*, SCHAEFFER, p. 138, Bull. Brooklyn Inst. i.

Z. nigripennis, p. 243, *atriceps*, p. 244, New Caledonia, FAUVEL, Rev. Ent. franc. xxiv; *Z. vermiculatus*, Utah, SCHAEFFER, p. 138, Bull. Brooklyn Inst. i; *Z. sayi*, *californica*, N. America, WICKHAM, p. 171, Canad. Ent. 1905 : **n. spp.**

PYTHIDÆ.

[Cf. PIC (1182, 1188), REITTER (1255).]

Lanthanus latissimus, Bolivia, PIC, p. 116, Echange xxi, **n. sp.**

Rhinosimus caucasicus, Caucasus, REITTER, p. 312, Wien. ent. Zeit. xxiv; *R. cœruleus*, New Guinea, PIC, p. 93, Naturaliste 1905 : **n. spp.**

ŒDEMERIDÆ.

Œdemera virescens var. n. *cupreomicans*, REITTER, p. 93, Wien. ent. Zeit. xxiv.

Œ. laufferi, Spain, REITTER, p. 206, t. c. **n. sp.**

Pseudolycus montanus, p. 187, *rufipennis*, p. 188, N. S. Wales, CARTER, P. Linn. Soc. N. S. Wales xxx, **n. spp.**

CURCULIONIDÆ.

[Cf. AURIVILLIUS (42), BEDEL (91), BEGUIN-BILLECOCQ (93, 94), BROUN (194), CAMERON (237), CHAMPION (670), CHITTENDEN (307, 308), CORTI (372), DESBROCHERS (399), FAIRMAIRE (534), FIORI (564, 567), FLACH (574), FORMÁNEK (593, 594), HARTMANN (726, 727), HELLER (736, 737),

HOLDHAUS & WAGNER (754), HUNTER & HINDS (798, 799), LEA (924, 925), LESNE (943), MARSHALL (1010), PETRI (1157), PIC (1184, 1187, 1189–1191, 1193), REITTER (1254, 1256), RITSEMA (1275), SCHAEFFER (1323, 1324), SCHULTZE (1357), SSILANTJEW (1441, 1442), VETH (1547), VITALE (1554), WAGNER (1556).]

Notes on *Curculionidæ* at Messina, VITALE, Natural. Sicil. xvii, pp. 129 etc. and xviii, pp. 53 etc., etc.

Parthenogenesis in *Otiorrhynchus*, the primary sexual characters, SSILANTJEW, Zool. Anz. xxix, pp. 583–586, cuts.

Acalles rolleti var. *cynaræ*, VITALE, p. 44, Riv. Col. ital. i ; *A. cunctans*, pl. xxiii, fig. 16, p. 476, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4 ; *A. mutillarius* Gerst. to *Gerstaeckeria* n. g. and figured, pl. xxiii, fig. 5, CHAMPION, p. 472, t. c.

A. solarii, Italy, FIORI, p. 163, Riv. Col. ital. i ; *A. algiricus*, Algeria, PIC, p. 99, Echange xxi ; *A. rugirostris*, pl. xxiii, fig. 9, *latescens*, fig. 10, p. 473, *fulvovittatus*, fig. 11, *cinericius*, fig. 12, *cavicollis*, fig. 13, p. 474, *indutus*, fig. 14, *rufotuberculatus*, fig. 15, p. 475, *quadrituberculatus*, *rugulosus*, p. 476, *tricinctus*, fig. 17, *foveolatus*, *crassisetis*, p. 477, *horrens*, *tantillus*, p. 478, *exaratus*, p. 479, Centr. America, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4 : **n. spp.**

Acicnemis, *spinipennis*, New Guinea, HELLER, p. 73, Deutsche ent. Zeitschr. 1905, **n. sp.**

Æatus **n. g.** *Ithyporides*, p. 445, *ebeninus*, p. 446, pl. xxii, fig. 3, *rugicollis*, *costulatus*, fig. 4, p. 447, *vestitus*, p. 448, **n. spp.**, Central America, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

Æmus **n. g.** near *Conotrachelus*, *tuberosus* **n. sp.**, Panama, pl. xxii, fig. 2, CHAMPION, p. 445, t. c.

Ænesias **n. g.** near *Conotrachelus*, *tuberculirostris*, pl. xxii, fig. 7, p. 452, *nigronotatus*, fig. 8, *cavifrons*, p. 453, **n. spp.**, Centr. America, CHAMPION, t. c.

Æpalius **n. g.** near *Conotrachelus*, *chiriquensis* **n. sp.**, Panama, pl. xxii, fig. 1, CHAMPION, p. 444, t. c.

Allocorynus slossoni, Florida, SCHAEFFER, p. 139, Bull. Brooklyn Inst. i, **n. sp.**

Alophus, European, with *A. italicus* **n. sp.**, p. 64, FIORI, Riv. Col. ital. iii, pp. 55–67, Riv. Col. ital. iii.

Amaurorrhinus (*Mazagranus* subg. n.) *obscuripennis*, Algeria, PIC, p. 146, Echange xxi, **n. sp.**

Anepigraphocis **n. g.** near *Glyphagia*, *basiventris* **n. sp.**, Swan River, LEA, p. 246, P. Linn. Soc. N. S. Wales xxx.

Anthonomus ornatus var. n. *messanensis*, VITALE, p. 45, Riv. Col. ital. i ; *A. rubi*, habits, LESNE, p. 178, Bull. Soc. ent. France 1905 ; *A. grandis*, metamorphosis, natural history, HUNTER & HINDS, Bull. U. S. Dep. Agric. Ent. Nos. 45, 51 ; *A. æneotinctus*, habits, larva, WALKER, pp. 43–48, Bull. U. S. Dep. Agric. Ent. No. 54.

Aonychus striatus, p. 253, *argus*, p. 255, *pachypus*, p. 256, Australia, LEA, P. Linn. Soc. N. S. Wales xxx, **n. spp.**

Apion, characters of numerous palæarctic little-known species, WAGNER, pp. 13–34, Munchen. Kol. Zeitschr. iii ; *A. cantianum* n. n. for *brevicorne* Schilsky, *schilskyi* n. n. for *gibbosum* Faust, also new localities, id. t. c. p. 33 ; *A. virens* ab. n. *atratulus*, VITALE, p. 207, Riv. Col. ital. iii ; *A. violaceum*, natural history, DE STEFANI-PEREZ, p. 177, Natural. Sicil. xvii ; *A. angustatum* Phil., gall, KIEFFER & PABLO, Zeitschr. Insbiol. i, p. 66 ; *A. pubescens*, gall, CORTI, p. 178, Riv. Col. ital. i.

A. holdhausi, p. 37, *ilvense*, p. 38, Tuscany, WAGNER, Riv. Col. ital. iii ;

A. (*Aspidapion*) *foveatoscutellatum*, S. E. Europe, p. 19, *A.* (*Ceratapion*) *hamatum*, Araxes Valley, p. 22, WAGNER, Munchen. Kol. Zeitschr. iii; *A. nitidirostre*, p. 134, *madecassum*, *pullum*, p. 135, *blatta*, p. 136, *bellum*, *ambovombense*, p. 137, *androicum*, p. 138, *beauchenei*, p. 139, *ceratum*, p. 140, *pluto*, *postscutatum*, p. 141, Madagascar, *mauritii*, Mauritius, p. 142, *erythræum*, p. 143, *philippi*, *perrieri*, p. 144, *unicum*, p. 145, *setulosum*, p. 146, *tessellatum*, p. 147, *A.* (*Rhinapion* subg. n. p. 147), *obliquestriatum*, p. 148, *insigne*, *pauxillum*, p. 149, *pseudapricans*, p. 150, *A.* (*Apiotherium* subg. n. p. 151), *albonigrum*, p. 151, *suturale*, p. 152, *sternale*, p. 153, *navicula*, *mitissimum*, p. 154, *A. barbatum*, p. 155, *puncticolle*, *tumefactum*, p. 166, *tetrum*, *fastidiosum*, p. 157, Madagascar, *exiguum*, Mayotte, p. 158, BEGUIN-BILLECOCQ, Ann. Soc. ent. France 1905; *A. formosum*, Madagascar, BEGUIN-BILLECOCQ, p. 45, Bull. Soc. ent. France 1905 : **n. spp.**

Apiotherium **subg. n.** cf. *Apion*.

Arthrocorynus **n. g.** near *Gasterocercus*, *brachialis*, pl. xxv, fig. 11, p. 510, Centr. America and Amazons, *dotatus*, fig. 13, p. 511, Centr. America, **n. spp.**, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

Atrichis occiduus pl. xxvi, fig. 19, p. 534, *costirostris*, fig. 20, *semicostatus*, p. 535, *nubilans*, fig. 21, p. 536, Centr. America, CHAMPION, t. c. **n. spp.**

Attelabus and *Attelabidæ* etc., nomenclature discussion, SCHILSKY, Käf. Eur., Nachtr. zu Heft 40; *Attelabus*, European varr., GRANDI & GORTANI, pp. 39–41, Riv. Col. ital. iii; *A.*, Italian forms, varr. n., GORTANI & GRANDI, pp. 165–171, Riv. Col. ital. ii; PIC, t. c. pp. 205–207.

Axionicus insignis, habits, FROGGATT, p. 227, Agric. Gaz. N. S. W. xvi.

Bagous niloticus, White Nile, AURIVILLIUS, p. 16, Jägerskiöld exp. No. 10*a*, **n. sp.**

Baris amanicola, Syria, PIC, p. 98, Echange xxi; *B. trægardhi*, Khartum, AURIVILLIUS, p. 17, Jägerskiöld exp. No. 10*a* : **n. spp.**

Blaborrhinus catenulatus, Chontales, CHAMPION, p. 539, Biol. Centr.-Amer. Col. iv, pt. 4, **n. sp.**

Bleptocis **n. g.** near *Glyphagia*, p. 247, *collaceratus* **n. sp.**, New South Wales, p. 248, LEA, P. Linn. Soc. N. S. Wales xxx.

Bothynoderes, revision in tables, REITTER, Deutsche ent. Zeitschr. 1905, pp. 193–205.

B. austriacus, Vienna, p. 200, *impudens*, p. 202, *pusio*, p. 203, Astrakhan, *dissensus*, Mongolia, p. 205, REITTER, t. c. **n. spp.**

Brachycerus undatus var. n. *lyræ*, VITALE, p. 206, Riv. Col. ital. iii; *B. algirus* var. *attenuatus*, VITALE, p. 42, op. cit. i.

Brachyleptops latesellatus, Madagascar, FAIRMAIRE, p. 129, Ann. Soc. ent. Belgique 1905, **n. sp.**

Brachysomus, revision, FORMÁNEK, pp. 169–193, Wien. ent. Zeit. xxiv.

B. styriacus, Styria, FORMÁNEK, p. 183, t. c. **n. sp.**

Bradybatus (*Nothops*) *vaulogeri*, Algeria, BEDEL, p. 290, Bull. Soc. ent. France 1905, **n. sp.**

Cathormiocerus ragusai, Sicily, VITALE, p. 127, Riv. Col. ital. ii; *C. latirostris*, Algeria, PIC, p. 147, Echange xxi; *C. inhumeralis*, Algeria, PIC, p. 155, t. c. : **n. spp.**

Ceuthorrhynchidius, table of species, SCHULTZE, pp. 1–10, Munchen Kol. Zeitschr. iii.

C. thalhammeri, Hungary, SCHULTZE, p. 7, t. c. **n. sp.**

Ceutorrhynchus sinapis var. n. *defensibilis*, PIC, p. 131, Echange xxi.

Chalcocybebus insignis, p. 72, *exarmatus*, p. 73, New Guinea, HELLER, Deutsche ent. Zeitschr. 1905, **n. spp.**

Cœlosternus tardipes, pl. xxv, fig. 18, p. 514, *consputus* fig. 20, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

C. acutidens, Centr. America, p. 514, pl. xxv, fig. 19, id. t. c. **n. sp.**
Collabismodes **n. g.** *gamma* **n. sp.**, Centr. America, pl. xxvi, fig. 32, CHAMPION, p. 541, t. c.
Collabismus notulatus, pl. xxvi, figg. 30, 31, p. 541, CHAMPION, t. c.
Colosterninus **n. g.** type *Cœlosternus longipennis* Boh., p. 533, figd. pl. xxvi, figg. 17, 18, CHAMPION, t. c.
Conotrachelodes **n. g.** *octocostatus* **n. sp.**, Mexico, pl. xxii, fig. 21, CHAMPION, t. c.
Conotrachelus leucocephalus, *carinifrons*, p. 441, *pluricostatus*, p. 442, *nigricollis*, p. 443, pl. xxi, fig. 27, Centr. America, CHAMPION, t. c. **n. spp.**
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Cryptoderma knapperti, Sumatra, VETH, p. 202, Tijdschr. Ent. xlviii; *C. lobatum*, Padang, RITSEMA, p. 169, Notes Leyden Mus. xxv: **n. spp.**
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Diplogrammus curvilineatus, Mexico, CHAMPION, p. 538, pl. xxvi, fig. 25, Biol. Centr.-Amer. Col. iv, pt. 4, **n. sp.**
Elpinus **n. g.** near *Atrichis*, *palmatus* **n. sp.**, Mexico, pl. xxvi, fig. 22, CHAMPION, p. 536, t. c.
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Epiphylax septempunctatus, Madagascar, FAIRMAIRE, p. 131, Ann. Soc. ent. Belgique 1905, **n. sp.**
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Eugnamptus nigriventris, Arizona, SCHAEFFER, p. 178, Bull. Brooklyn Inst. i, **n. sp.**

Eurhoptus caviventris, pl. xxiii, fig. 18, p. 479, *anchonoides*, fig. 19, *fuscisetis*, p. 480, *alticola*, fig. 20, *foveiventris*, fig. 21, *costatus*, fig. 22, p. 481, *laevipennis*, fig. 23, p. 482, Centr. America, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4, **n. spp.**

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Euxenus subparallelus, p. 494, *ovatipennis*, pl. xxiv, fig. 12, *rhombifer*, fig. 13, p. 494, Centr. America, CHAMPION, t. c. **n. spp.**

Foucartia burghauseri, Croatia, REITTER, p. 247, Wien. ent. Zeit. xxiv, **n. sp.**

Gerstaeckeria **n. g.** type *Acalles bifasciatus*, figured pl. xxiii, fig. 6, *cruciata*, p. 470, *leseleuci*, *lacti*, fig. 7, p. 471, **n. spp.**, Centr. America, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

Glocinorrhinus evanidus=(*cooki* Faust), LEA, p. 251, P. Linn. Soc. N. S. Wales xxx.

Guioperus klugii Gerst., pl. xxii, fig. 15, *eques* Pasc., fig. 14, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

G. circumdatus, p. xxii, fig. 12, p. 456, *trifasciatus*, fig. 13, p. 457, *sexsignatus*, fig. 16, p. 458, Centr. America, CHAMPION, t. c. **n. spp.**

Hemiliopsis **n. g.** type *Hemilius nudicollis* Chev., pl. xxv, figg. 29, 30, p. 521, CHAMPION, t. c.

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Hilipimorphus **n. g.** *forreri* **n. sp.**, Mexico, pl. xxv, fig. 27, p. 520, CHAMPION, t. c.

Homœotrachelus tricarinatus, Queensland, LEA, p. 222, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Hycanus **n. g.** *Rhyparosomidæ*, p. 545, *cockaynei* **n. sp.**, Auckland islds., p. 546, BROWN, Ann. Nat. Hist. (7) xv.

Læmosaccus plagiatus and *texana*, SCHAEFFER, p. 140, Bull. Brooklyn Inst. i.

Larinus zancleanus, Sicily, VITALE, p. 128, Riv. Col. ital. ii, **n. sp.**

Leianisorhynchus **n. g.** near *Mylacus*, p. 178, *brunnescens* **n. sp.**, Adana, p. 179, PIC, Echange xxi.

Lembodes trux, Guatemala, pl. xxiii, fig. 24, CHAMPION, p. 482, Biol. Centr.-Amer. Col. iv, pt. 4, **n. sp.**

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Leptomias korbi, Amurland, PIC, p. 98, Echange xxi, **n. sp.**

Lixus, tables of palæarctic, contin., PETRI, Wien. ent. Zeit. xxiv, pp. 33 etc.

L. cleoniformis, Egypt, p. 36, *laufferi* (=*lateralis* Bris. nec Panz), Spain, p. 109, *malatianus*, Mesopotamia, p. 158, *salicorniæ*, Derbent, p. 159, PETRI, t. c. **n. spp.**

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M. tenuicinctus, p. 507, pl. xxv, fig. 4, *flavocinctus*, fig. 5, *bicinctus*, fig. 6, *flavofasciatus*, fig. 7, p. 508, *albofasciatus*, fig. 8, p. 509, Centr. America, CHAMPION, t. c. **n. spp.**

Mæmactes ruficornis, pl. xxvi, fig. 11, p. 529, CHAMPION, t. c.

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Magdalis, revision of European and Mediterranean spp., DESBROCHERS, Frelon xiii, pp. 1–124.

M. delagrangei, p. 46, *interstitialis*, p. 31, *poncyi*, p. 41, *plicatula*, p. 33, *rotundicollis*, p. 42, *stricta*, p. 49, *syriaca*, p. 40, Europe and Mediterranean reg., DESBROCHERS, t. c. **n. spp.**

Mataxus ornaticollis, Madagascar, FAIRMAIRE, p. 130, Ann. Soc. ent. Belgique 1905, **n. sp.**

Mazagranus **subg. n.** cf. *Amaurorrhinus*.

Mecinus villosulus, gall, HOUARD, pp. 41–51, Marcellia iv.

Mecistocorynus **n. g.** near *Macromerus*, p. 511, *sinuatipes* **n. sp.**, Centr. America, p. 512, pl. xxv, fig. 14, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

Mecolenus referred to *Apionidæ*, BEGUIN-BILLECOCQ, p. 43, Bull. Soc. ent. France 1905.

Mecysolobus **n. g.** near *Lixus*, *lixoides* **n. sp.**, Amurland, REITTER, p. 248, Wien. ent. Zeit. xxiv.

Megarhinus collaris, W. Africa, HARTMANN, p. 270, Deutsche ent. Zeitschr. 1905, **n. sp.**

Melanterius costipennis, Tasmania, LEA, p. 223, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Menares **n. g.** *Nettarhinides*, *pilicornis* **n. sp.**, Guatemala, pl. xxii, fig. 11, CHAMPION, p. 455, Biol. Centr.-Amer. Col. iv, pt. 4.

Metadupus nodatus, pl. xxv, fig. 1, 1*a*, variation, p. 506, CHAMPION, t. c.

Metoposoma nigrofasciatum, Guatemala, pl. xxviii, fig. 28, CHAMPION, p. 583, t. c. **n. sp.**

Metraniella **n. g.** p. 462, *nigrolineata* **n. sp.**, Guatemala, pl. xxii, fig. 25, p. 463, CHAMPION, t. c.

Metraniopsis **n. g.** *elatus* **n. sp.**, Panama, pl. xxii, figg. 23, 24, CHAMPION, p. 461, t. c.

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Microhyus montanus, pl. xxii, figg. 5, *hystrix*, figg. 6, p. 449, *longisetis*,

erinaceus, *brevipes*, p. 450, *angustatus*, *pallidisetis*, *minutissimus*, p. 451, Centr. America, CHAMPION, t. c. **n. spp.**

Microlarinus peloritanus, Sicily, VITALE, p. 43, Riv. Col. ital. i, **n. sp.**

Microxypterus **n. g.** *suturalis*, pl. xxiv, figg. 21, p. 500, *binotatus*, fig. 22, p. 501, **n. spp.**, Centr. America, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

Mylacus nitidulus, Sicily, VITALE, p. 126, Riv. Col. ital. ii, **n. sp.**

Myllocerus laticollis, p. 210, *abundans*, p. 211, *amblyrhinus*, p. 212, *sordidus*, *niveus*, p. 213, *elegans*, *rugicollis*, p. 214, *echinatus*, p. 215, *suturalis*, p. 216, *trilineatus*, *exilis*, p. 217, Australia, LEA, Tr. R. Soc. S. Austral. xxix, **n. spp.**

Neomystocis **n. g.** near *Pezichus*, p. 242, *squamiventris* **n. sp.**, Queensland, p. 243, LEA, P. Linn. Soc. N. S. Wales xxx.

Niphades socius, Sumatra, p. 267, *inæqualis*, San Thomé, p. 268, *planipennis*, Usambara, p. 269, HARTMANN, Deutsche ent. Zeitschr. 1905, **n. spp.**

Ocladius sharpi var. n. *subelongatus*, Sinai, PIC, p. 122, Echange xxi.

O. walkeri, Perim, CAMERON, p. 179, Ent. Mag. 1905, **n. sp.**

Otiorhynchus turca, metamorphosis and natural history, SSILANTJEW, pp. 491–502, illustrations, Zool. Jahrb. Syst. xxi; *O. caudatus traspadanus* var. n., GORTANI, pp. 123–128, Riv. Col. ital. i; *O. ovatus* in N. America, metamorphosis, COOLEY, Bull. 55, Montana Agric. exp. Stat. pp. 130–140, pls. i, ii.

Oxyonyx latipennis, Algeria, PIC, p. 130, Echange xxi, **n. sp.**

Oxypteropsis **n. g.** p. 498, *armatus*, pl. xxiv, fig. 18, *latirostris*, fig. 19, p. 499, *bipartitus*, fig. 20, p. 500, **n. spp.**, Centr. America, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

Oxypterus denticollis, pl. xxiv, fig. 4, *fasciculosus*, fig. 5, p. 491, *fausti*, fig. 7, p. 492, *terminatus*, fig. 8, *obliquus*, fig. 9, p. 493, *rubiginosus*, fig. 10, p. 494, Centr. America, CHAMPION, t. c. **n. spp.**

Pachyonyx squamosulus, Madagascar, FAIRMAIRE, p. 130, Ann. Soc. ent. Belgique 1905, **n. sp.**

Pachyrhynchus plutus=(*biplagiatus* Bates), *biplagiatus* Guér.=(*salomonis* Hell.), referred to *Pantorhytes*, HELLER, pp. 305–307, Wien. ent. Zeit. xxiv.

Pachytychius albomaculatus, Algeria, PIC, p. 99, Echange xxi, **n. sp.**

Pantorhytes, revised, with synonymy, HELLER, pp. 305–310, Wien. ent. Zeit. xxiv.

P. granulatus, Woodlark isld., p. 307, *subcostatus*, S. E. isld., p. 308, HELLER, t. c. **n. spp.**

Perieres **n. g.** near *Acalles*, *gibbipennis* **n. sp.**, Guatemala, pl. xxiii, fig. 27, CHAMPION, p. 485, Biol. Centr.-Amer. Col. iv, pt. 4.

Pezichus gracilis, N. Queensland, LEA, p. 241, P. Linn. Soc. N. S. Wales xxx, **n. sp.**

Phyllobius claroscutellatus, Sicily, VITALE, Riv. Col. ital. iii, p. 205, **n. sp.**

Phymatoposus squamans Faust, pl. xxiv, fig. 24, p. 502, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

P. multicristatus, pl. xxiv, fig. 25, p. 502, *scapularis*, fig. 26, p. 503, Centr. America, CHAMPION, t. c. **n. spp.**

Phyrdenus divergens=(*undatus* Lec.), pl. xxiv, figg. 27, *muriceus*=(*bullatus* Casey), fig. 28, *setiferus*, fig. 29, p. 504, CHAMPION, t. c.

P. tincticollis, Centr. America, p. 505, pl. xxiv, fig. 30, CHAMPION, t. c. **n. sp.**

Pisæus **n. g.** near *Metriophilus*, *varicus*, pl. xxix, fig. 6, p. 591, *complanatus*, fig. 7, *sulcatus*, p. 592, **n. spp.**, Centr. America, CHAMPION, t. c.

Polydrusus impar var. n. *vranicensis*, REITTER, p. 247, Wien. ent. Zeit. xxiv.

Poropterus nodosus, Tasmania, p. 224, *rhyticephalus*, p. 225, *listroderes*, *longipes*, p. 226, *cavernosus*, p. 227, *foveatus*, *inusitatus*, p. 228,

lissorhinus, p. 229, Australia, LEA, Tr. R. Soc. S. Austral. xxix, **n. spp.**

Prionolixus beauprei, Algeria, PIC, Echange xxi, **n. sp.**

Procas (*Apachiscelis*) *rufescens*, Algeria, PIC, p. 131, t. c. **n. sp.**

Pseudocyphus **n. g.** near *Cyphus*, *flexicaulis* **n. sp.**, Texas, SCHAEFFER, p. 179, Bull. Brooklyn Inst. i.

Pseudomopsis **n. g.** near *Pseudomus*, *bicristatus*, pl. xxiii, fig. 28, p. 486, *arcuatus*, fig. 29, *laticollis*, p. 487, *nigrosignatus*, *distigma*, fig. 30, *latisquamis*, pl. xxiv, fig. 1, p. 488, *notaticollis*, fig. 2, p. 489, *conicicollis*, fig. 3, *similis*, p. 490, **n. spp.**, Centr. America, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

Pseudoptochus **n. g.** for *aurohirtus* Seidl., *rumelicus* Apfelb., FORMÁNEK, p. 191, Wien. ent. Zeit. xxv.

Ptochus minimus, Dalmatia, FORMÁNEK, p. 261, op. cit. xxiv, **n. sp.**

Rhamphus æneus var. n. *pannonicus*, CSIKI, p. 582, Ann. Mus. Hungar. iii.

Rhinapion **subg. n.** cf. *Apion*.

Rhinochenus stigma, pl. xxvi, figg. 23, 24, variation, p. 538, CHAMPION, Biol. Centr.-Amer. Col. iv, pt. 4.

Rhinoscapha lameerei, New Guinea, HELLER, p. 68, Deutsche ent. Zeitschr. 1905, **n. sp.**

Rhynchites; notes on European, pp. 68–78, *præustus* var. n. *nigratus*, p. 76, VITALE, Riv. Col. ital. i, and FIORI, t. c. pp. 144–148; *R. hungaricus*, habits, LESNE, p. 177, Bull. Soc. ent. France 1905.

R. palmii, Arizona, SCHAEFFER, p. 138, Bull. Brooklyn Inst. i, **n. sp.**

Rhytiphlœus ornatus, Madagascar, FAIRMAIRE, p. 129, Ann. Soc. ent. Belgique 1905, **n. sp.**

Schizomicrus **n. n.** for *Schizonotus*, CASEY, p. 164, Canad. Ent. 1905.

Sciaphilus pulcher, Anatolia, PIC, p. 98, Echange xxi, **n. sp.**; *S. pulcher*, validity and genus queried, VON HEYDEN, p. 95, Wien. ent. Zeit. xxiv.

Sibinia cedrorum, Algeria, PIC, p. 155, Echange xxi, **n. sp.**

Siron **n. g.** type *Cœlosternus dorsalis* Boh., pl. xxvi, fig. 28, *S. exornatus* Boh., fig. 29, CHAMPION, p. 540, Biol. Centr.-Amer. Col. iv, pt. 4.

Solariella **subg. n.** cf. *Troglorhynchus*.

Sphenophorus pertinax varr. n. *australis*, *typhæ*, CHITTENDEN, p. 53, P. ent. Soc. Washington vii.

S. abrasus, p. 54, *setiger*, *ludovicianus*, p. 55, *peninsularis*, p. 56, *villosiventris*, *lævigatus*, p. 58, *maidis*, p. 59, *incongruus*, p. 61, *robustior*, p. 62, *pontederiæ*, p. 63, North America, CHITTENDEN, t. c.; *S. marinus*, p. 166, *graminis*, p. 168, *subopacus*, *monterensis*, p. 169, *diversus*, p. 170, *nevadensis*, *fallii*, p. 172, *subulatus*, p. 173, *destructor*, p. 174, *sublævis*, p. 176, *soltauii*, p. 178, *blanchardi*, p. 179, *striatipennis*, p. 180, CHITTENDEN, t. c.: **n. spp.**

Spilonotus **n. g.** near *Euxenus*, *ornatus* **n. sp.**, Centr. America, pl. xxiv, fig. 14, CHAMPION, p. 496, Biol. Centr.-Amer. Col. iv, pt. 4.

Staseas **n. g.** near *Apteromechus*, p. 530, *granulatus*, pl. xxvi, figg. 13, 14, p. 531, *cingulatus*, *pullatus*, fig. 15, *pictipennis*, fig. 16, p. 532, *mexicanus* p. 533, **n. spp.**, Centr. America, CHAMPION, t. c.

Strophomorphus insquamosus, *damascenus*, Syria, PIC, p. 178, Echange xxi, **n. spp.**

Synomus æruginosus, Queensland, LEA, p. 221, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Telaugia keysseri, p. 74, *subtilis*, p. 75, New Guinea, HELLER, Deutsche ent. Zeitschr. 1905, **n. spp.**

Tepperia sterculiæ, habits, FROGGATT, p. 228, Agric. Gaz. N. S. W. xvi.

Thegilis **n. g.** near *Zascelis*, *baridioides*, pl. xxvi, fig. 9, **n. sp.**, Centr. America, CHAMPION, p. 526, Biol. Centr.-Amer. Col. iv, pt. 4.

Thrasyomus uniformis, pl. xxii, fig. 19, *conotracheloides*, fig. 20, Centr. America, CHAMPION, p. 460, t. c. **n. spp.**

Titinia ignaria = (*marmorata* Pasc. = *læta* Blackb.), LEA, p. 219, Tr. R. Soc. S. Austral. xxix.

T. parva, Victoria, id. p. 220, t. c. **n. sp.**

Trachyphlœus beauprei, Algeria, PIC, p. 155, Echange xxi, **n. sp.**

Troglorhynchus (*Solariella* subg. n.) *paganettii*, Calabria, FLACH, p. 318, Wien. ent. Zeit. xxiv, **n. sp.**

Tychius sinaiticus Crotch, 1871, **n. sp.** but not yet recorded, SHARP, p. 520, Ann. Nat. Hist. (7) xv; *T. vaulogeri*, Algeria, PIC, p. 107, Echange xxi; *T. ciliciensis*, Taurus, PIC, p. 162, t. c. **n. spp.**

Tyloderma œneotinctum, Mexico, CHAMPION, p. 528, pl. xxvi, fig. 10, Biol. Centr.-Amer. Col. iv, pt. 4, **n. sp.**

Tylodinus **n. g.** p. 464, type *Tylodes nodulosus* Schönh., figured, pl. xxii, fig. 26, and as **n. spp.**, *planicollis*, fig. 27, *quadrilamellatus*, fig. 28, p. 465, *fœdus*, fig. 30, 16-*tuberculatus*, fig. 29, *maculifrons*, pl. xxiii, fig. 1, p. 466, *canaliculatus*, fig. 2, *leucozona*, fig. 3, p. 467, *cavicrus*, fig. 4, *callosus*, p. 468, Centr. America, CHAMPION, t. c. **n. spp.**

Tyrannion **n. g.** near *Eubulus*, *validus*, pl. xxix, fig. 8, p. 593, *tricristatus*, fig. 9, *fulvipennis*, fig. 11, p. 594, *scabidus*, fig. 10, *nigrosellatus*, fig. 12, p. 595, *irregularis*, fig. 13, *suffusus*, fig. 14, p. 596, *diffusus*, *pictilis*, fig. 15, *disparilis*, fig. 16, p. 597, *ochreopunctatus*, fig. 17, *punctipennis*, fig. 18, p. 598, *funestus*, *imbellis*, *admixtus*, p. 599, *stolidus*, *squalidus*, p. 600, **n. spp.**, Centr. America, CHAMPION, t. c.

Ulosominus **n. g.** near *Ulosomus*, *quadrifasciculatus*, pl. xxiii, fig. 25, *zunilensis*, p. 483, *nanus*, *quichensis*, *triseriatus*, fig. 26, p. 484, *angustatus*, p. 425, **n. spp.**, Centr. America, CHAMPION, t. c.

Xenosomus inflatus, pl. xxiii, fig. 5, *turpis*, Guatemala, CHAMPION, p. 469, t. c. **n. spp.**

Zascelis irrorata Lec. pl. xxvi, fig. 3, p. 523, *affaber*, fig. 5, p. 524, CHAMPION, t. c.

Z. carinipes, pl. xxvi, fig. 4, p. 523, *brevicollis*, fig. 6, p. 524, *sulcifrons*, p. 7, *rugosa*, p. 525, *glabrata*, fig. 8, p. 526, Centr. America, CHAMPION, t. c. **n. spp.**

SCOLYTIDÆ.

[Cf. EICHELBAUM (489), FUCHS (625), HAGEDORN (713, 714), HOPKINS (758–760), NÜSIMA (1110), REITTER (1254), SCHAUFUSS (1328), SCHEWYREW (1330), SCHOLZ (1338).]

The habits of European *Scolytidæ*, SCHEWYREW (1330).

The mouth parts of the larvae, HOPKINS, pp. 143–149, pls. iv, v, P. ent. Soc. Washington vii.

The stridulating organs in *Scolytus*, SCHOLZ, Ins. Börse 1905, pp. 143, 144.

Translation of Eichoff's table of food plants and form of galleries of European, GROUZELLE, Echange xxi, pp. 149 etc.

Amphicranus, synopsis, p. 289, *A. elegans*, pl. ix, fig. 5, p. 290, BLANDFORD, Biol. Centr.-Amer. Col. iv, pt. 6.

Amphicranus lesnei, Columbia, HAGEDORN, p. 550, Bull. Mus. Paris x; *A. balteatus*, pl. ix, fig. 6, p. 291, *belti*, fig. 7, *torneutes*, fig. 8, p. 292, *brevipennis*, fig. 9, Centr. America, *schaufussi*, Venezuela, p. 293, *grouvellei*, Brazil?, *collaris*, fig. 10, p. 294, *tenuis*, fig. 11, *filiformis*, fig. 12, p. 295, *terebella*, fig. 13, *fastigatus*, fig. 14, p. 296, *propugnatus*, fig. 15, p. 297, *hybridus*, fig. 16, p. 298, Centr. America; id. t. c. **n. spp.**

Camptocerus striatulus, Guiana, HAGEDORN, p. 547, Bull. Mus. Paris x, **n. sp.**

Chortastus **n. g.** *Hylesinides*, *camerunus* **n. sp.**, W. Africa, SCHAUFUSS, p. 15, Ins. Börse 1905.

Coccotrypes pygmæus, habits and localities, SCHAUFUSS, p. 8, Ins. Börse 1905.

C. cardamomi, Ceylon, SCHAUFUSS, p. 8, t. c. **n. sp.**
Crossotarsus banghaasi, E. Africa, p. 87, *cœlocephalus*, Cameroons, p. 103, SCHAUFUSS, t. c. **n. spp.**
Cryphalus grothii, larva, EICHELBAUM, pp. 248–250, Zeitschr. Insbiol. i.
Crypsinorhinus **n. g.** p. 131, *chloropholoides* **n. sp.**, Madagascar, p. 132, FAIRMAIRE, Ann. Soc. ent. Belgique 1905.
Dacryostactus **n. g.** *Hylesinides*, *kolbei* **n. sp.**, S. Africa, SCHAUFUSS, p. 79, Ins. Börse 1905.
Dendroctonus ponderosæ, natural history and ravages, HOPKINS, Bull. U. S. Dep. Agric. Ent. No. 56.
D. mexicanus, Amecameca, HOPKINS, p. 80, P. ent. Soc. Washington vii, **n. sp.**
Gnathotrichus nitidifrons, Mexico, HOPKINS, p. 72, t. c. **n. sp.**
Hylesinus orni, Centr. Europe, FUCHS, p. 51, Munchen. Kol. Zeitschr. iii, **n. sp.**
Lissoclustus **n. g.** *Hylesinides*, *pimelioides* **n. sp.**, Cameroons, SCHAUFUSS, p. 71, Ins. Börse 1905.
Meringopalpus **n. g.** *Hylesinidarum*, p. 547, *fallax* **n. sp.**, Venezuela, p. 548, HAGEDORN, Bull. Mus. Paris x.
Mitosoma rugosum, Madagascar, SCHAUFUSS, p. 19, Ins. Börse 1905, **n. sp.**
Phlœophthorus moriperda, Mexico, HOPKINS, p. 77, P. ent. Soc. Washington vii, **n. sp.**
Phlœosinus tacubayæ, p. 78, *baumanni*, p. 79, Mexico, HOPKINS, t. c. **n. spp.**
Phthorius edentatus, Venezuela, HAGEDORN, p. 549, Bull. Mus. Paris x, **n. sp.**
Pityophthorus chalcoensis, p. 73, *herrerai*, p. 74, Mexico, HOPKINS, P. ent. Soc. Washington vii, **n. spp.**
Platypus pini, Mexico, HOPKINS, p. 71, t. c. **n. sp.**
Pterocyclon dimidiatum, Guiana, HAGEDORN, p. 550, Bull. Mus Paris x; *P. bispinum*, p. 281, pl. viii, fig. 19, *vittatum*, fig. 20, p. 282, *sulcatum*, *ferrarii*, fig. 23, p. 284, *fimbriaticorne*, fig. 24, p. 285, Centr. America, BLANDFORD, Biol. Centr.-Amer. Col. iv, pt. 6 : **n. spp.**
Scolytoplatypus, composition of the genus, p. 63, *S. pubescens* ♂, p. 64, HAGEDORN, Ins. Börse 1905.
S. hova, Madagascar, SCHAUFUSS, p. 12, t. c.; *S. eichelbaumi*, E. Africa, HAGEDORN, p. 64, t. c. : **n. spp.**
Scolytus chikisanii, *curviventralis*, *æquipunctatus*, Japan, NIISIMA, J. Sapporo Agric. Coll. ii, **n. spp.** [not seen by Recorder, Cf. Munchen. Kol. Zeitschr. iii, p. 118]; *S. productus*, Venezuela, HAGEDORN, p. 547, Bull. Mus. Paris x : **n. sp.** pp. 69, 70 & 71 respect. seen at B.M.
Stephanoderes moschatæ, Guadeloupe, SCHAUFUSS, p. 8, Ins. Börse 1905, **n. sp.**
Tomicus mexicanus, p. 75, *bonanseai*, p. 76, Mexico, HOPKINS, P. ent. Soc. Washington vii, **n. spp.**
Tricolus **n. g.** p. 286, near *Pterocyclon*, *ovicollis*, pl. ix, fig. 3, *nodifer*, fig. 4, p. 287, **n. spp.**, Guatemala, BLANDFORD, Biol. Centr.-Amer. Col. iv, pt. 6.
Xyleborus meuseli, E. Siberia, REITTER, p. 249, Wien. ent. Zeit. xxiv; *X. triton*, p. 18, *fraterculus*, p. 19, Madagascar, SCHAUFUSS, Ins. Börse 1905; *X. conifer*, *camopinus*, Guiana, HAGEDORN, p. 549, Bull. Mus. Paris x : **n. spp.**

ANTHRIBIDÆ.

Catalogue of *Anthribidæ*, 217 genera, 1465 species, BOVIE, pp. 218–334, Ann. Soc. ent. Belgique 1905.

CERAMBYCIDÆ.

[Cf. CHOBAUT (310), DANIEL (387), DISTANT (421), FAIRMAIRE (534, 536), FALL (542), GOUNELLE (677, 679), HEATH (730, 731), HELLER (737), LAMEERE (910), MAYET (1016), MJÖBERG (1049), MÜLLER (1079), PIC (1173, 1181, 1187, 1190), REITTER (1246, 1253), SCHAEFFER (1323, 1324), SHARP (1385), SHARP & SMITH (1385), SKINNER (1408), WANDOLLECK (1565), WEBB (1592), WEISE (1601), WICKHAM (1630), ZANG (1658).]

Longicornia, in Baltic amber, redetermination of Berendt's species; also n. spp. cf. Palaeoent. p. 128.

The ♀ abdomen of numerous forms, WANDOLLECK, Zool. Jahrb. Anat. xxii, pp. 477–576, pl. xxviii.

The Recorder has now seen parts 1 & 2 of Cah. v of PIC's Materiaux etc. and has contented himself with extracting what he believes to be intended as new species.

Acanthocinus linearis, Arizona, SKINNER, p. 290, Ent. News Philad. xvi, **n. sp.**

Agapanthia pustulifera, Jerusalem, PIC, p. 12, Mat. Long. Cah. v, 2; *A. subnuda*, Transcaspian, REITTER, p. 93, Wien. ent. Zeit. xxiv: **n. spp.**

Anaglyptus luteofasciatus, Morea, PIC, p. 153, Echange xxi, **n. sp.**

Ancylistus transversus, Madagascar, FAIRMAIRE, p. 137, Ann. Soc. ent. Belgique 1905, **n. sp.**

Artelida calcarata, *fuscosericans*, Madagascar, FAIRMAIRE, p. 134, t. c. **n. spp.**

Asemum striatum, larva, SHARP & SMITH, p. 162, pl. ix, fig. 6, Tr. ent. Soc. London 1905.

Astynoscelis **n. g.** near *Rhopaloscelis*, *longicornis* **n. sp.**, Mantchuria, PIC, p. 8, Mat. Long. Cah. v, 1.

Brachypteroma holtzi, Taurus, PIC, p. 114, Echange xxi, **n. sp.**

Brachytatus notabilis, p. 136, *bipartitus*, p. 137, Madagascar, FAIRMAIRE, Ann. Soc. ent. Belgique 1905, **n. spp.**

Callimus semicyaneus, Greece, PIC, p. 187, Echange 1905, **n. sp.**

Calocerambyx **n. g.** near *Tetraschema*, p. 66, *hauseri* **n. sp.**, New Guinea, p. 67, HELLER, Deutsche ent. Zeitschr. 1905.

Cephalallus **n. g.** near *Criocephalus*, *oberthuri*, **n. sp.**, Yunnan, SHARP, p. 148, Tr. ent. Soc. London 1905.

Cephalocrius **n. g.** for *Criocephalus syriacus* Reitter, SHARP, p. 149, t. c.

Ceresium rugulipenne, Madagascar, FAIRMAIRE, p. 135, Ann. Soc. ent. Belgique 1905; *C. vittidorsum*, Yunnan, PIC, p. 10, Mat. Long. Cah. v, 1: **n. spp.**

Charieschthes rufula, Madagascar, FAIRMAIRE, p. 138, Ann. Soc. ent. Belgique 1905, **n. sp.**

Clytanthus hircanus, Persia, PIC, p. 114, Echange xxi, **n. sp.**

Clytus arvicola var. n. *tridentata*, BLEUSE, p. 20, Bull. Soc. ent. France 1905.

C. circassicus, Circassia, PIC, p. 10, Mat. Long. Cah. v, 2, **n. sp.**

Coremia bruchi, Tucuman, GOUNELLE, p. 227, Bull. Soc. ent. France 1905, **n. sp.**

Criocephalinæ, new group, SHARP, p. 147, Tr. ent. Soc. London 1905.

Criocephalus, monograph, *C. pinetorum*, valid species, p. 155, ♀, p. 156, *C. ferus* var. n. *hispanicus*, p. 157, *C. obsoletus* Rand. = (*mexicanus* Th.), *C. ferus*, larva, pl. ix, fig. 5, SHARP, t. c.

C. deceptor, W. Tibet, p. 151, *coreanus*, Korea, p. 153, *tibetanus*, Tibet, *exoticus*, Chin Hills, p. 159, SHARP, t. c. **n. spp.**

Demonax mongtsensis, Yunnan, PIC, p. 12, Mat. Long. Cah. v, 1, **n. sp.**

Derolus argentifer, Yunnan, PIC, p. 11, t. c. **n. sp.**

Desmocerus piperi, Washington, WEBB, p. 104, P. ent. Soc. Washington vii, **n. sp.**

Dorcadion arenarium, the races with numerous varr. n., MÜLLER, pp. 129–153, Wien. ent. Zeit. xxiv; *D. arenarium* var. n. *marsicanum*, FRACASSI, p. 112, Riv. Col. ital. iii ; *D. biforme* var. n. *discomaculatum* PIC, p. 187, Echange 1905 ; *D. talyschense* var. n. *morgani*, PIC, p. 301, Bull. Mus. Paris 1905 ; *D. navasi* and allies, NAVÁS, pp. 272, 273, Bol. Soc. Aragon. iv; *D. culminicola holtzi* subsp. n., PIC, p. 115, Echange xxi.

D. grandevittatum, Turkey, *subjunctum*, Greece, p. 7, *maljushenkoi*, Caucasus, p. 8, PIC, Mat. Long. Cah. v, 1 ; *D. henrici*, Tokat, PIC, p. 156, Echange xxi; *D. semiargentatum*, Persia, PIC, p. 301, Bull. Mus. Paris 1905 : **n. spp.**

Elaphidion fuchsii, California, WICKHAM, p. 170, Canad. Ent. 1905 ; *E. mimeticum*, *niveivestitum*, Texas, SCHAEFFER, p. 132, Bull. Brooklyn Inst. i : **n. spp.**

Ergates faber, larva and pupa, pl. i, figg. 8–10, p. 39, MJÖBERG, Arkiv Zool. ii, No. 17.

Eupogonius fulvovestitus, Texas, SCHAEFFER, p. 134, Bull. Brooklyn Inst. i, **n. sp.**

Euryptera huachucæ, Arizona, SCHAEFFER, p. 164, t. c. **n. sp.**

Exocentrus polymitus, Natal, DISTANT, p. 207, Ann. Nat. Hist. (7) xv, **n. sp.**

Grammoptera ruficornis ab. n. *holomelina*, POOL, p. 133, Ent. Rec. xvii ; *G. holomelina*, a valid species, DONISTHORPE, p. 182, Ent. Rec. xvii.

Holangus guerryi, Yunnan, Pic, p. 10, Mat. Long. Cah. v, 1, **n. sp.**

Hoploderes, revision, LAMEERE, pp. 361–367, Ann. Soc. ent. Belgique 1905.

H. reticulatus, p. 362, *lævipennis*, p. 363, *nitidior*, p. 364, *confectus*, p. 365, Madagascar, LAMEERE, t. c. **n. spp.**

Hoplorana nigroscutata, Madagascar, FAIRMAIRE, p. 137, Ann. Soc. ent. Belgique 1905, **n. sp.**

Hypocephalus armatus, habits, GOUNELLE, pp. 105–108, pl. vi, Ann. Soc. ent. France 1905.

Icariotis politicollis, Madagascar, FAIRMAIRE, p. 134, Ann. Soc. ent. Belgique 1905, **n. sp.**

Ischnocnemis pallidus, Lower California, SCHAEFFER, p. 132, Bull. Brooklyn Inst. i, **n. sp.**

Leptostylus pini, Arizona, SCHAEFFER, p. 165, t. c. **n. sp.**

Leptura morgani, Persia, PIC, p. 300, Bull. Mus. Paris 1905, **n. sp.**

Lepturges yucca, Arizona, p. 167, *celtis*, Texas, p. 168, SCHAEFFER, Bull. Brooklyn Inst. i, **n. spp.**

Lepturgoides **n. g.** near *Liopus*, *pini* **n. sp.**, Arizona, SCHAEFFER, p. 166, t. c.

Lucasianus levaillanti, characters, habits, habitat, MAYET, p. 277, Bull. Soc. ent. France 1905.

Lypsimena tigrina, Arizona, SKINNER, p. 291, Ent. News Philad. xvi, **n. sp.**

Macrocaulus angulosus, Madagascar, FAIRMAIRE, p. 133, Ann. Soc. ent. Belgique 1905, **n. sp.**

Macrotoma villosicollis, p. 132, *semirugosa*, p. 133, Madagascar, FAIRMAIRE, t. c. **n. spp.**

Madecops inornatus, Madagascar, FAIRMAIRE, p. 136, t. c. **n. sp.**

Mallosia græca var. *cardoriensis*, PIC, p. 47, Bull. Soc. ent. France 1905.

Megasemum defined, *M. 4-costatum* ♂, SHARP, p. 147, Tr. ent. Soc. London 1905.

Neoclytus peninsularis, Lower California, SCHAEFFER, p. 133, Bull. Brooklyn Inst. i, **n. sp.**

Obrium brunneum, food-habits, ESTIOT, p. 142, Bull. Soc. ent. France 1905.
O. japonicum, Japan, PIC, Mat. Long. Cah. v, 1, **n. sp.**
Oncideres quercus, Arizona, SKINNER, p. 291, Ent. News. Philad. xvi, **n. sp.**
Oxymirus cursor var. n. *subvittatus*, REITTER, p. 206, Wien. ent. Zeit. xxiv ; *O. cursor* var. n. *nigrinus*, REITTER, p. 250, t. c.
Parmena balteus and *unifasciata*, synonymy, VON HEYDEN, pp. 25–28, Wien. ent. Zeit. xxiv.
Parozodes aurivillii, Goyaz, GOUNELLE, p. 295, cut, Bull. Soc. ent. France 1905, **n. sp.**
Phytoecia, revision of subg. *Pilemia*, with synonymy, DANIEL, pp. 55–64, Munchen. Kol. Zeitschr. iii ; *P. modesta inapicalis* subsp. n., PIC, p. 107, Echange xxi.
Pilemia wawerkana, Akbès, REITTER, p. 240, Wien. ent. Zeit. xxiv, **n. sp.**
Plagionotus bobelayei var. n. *mouzafferi*, PIC, p. 114, Echange xxi.
Plectrogaster jordani, Gold Coast, HEATH, p. 76, fig. 3, Entomologist 1905, **n. sp.**
Pogonocherus negundo, Arizona, SCHAEFFER, p. 164, Bull. Brooklyn Mus. **n. sp.**
Polyarthron minutum, Persia, PIC, p. 300, Bull. Mus. Paris 1905, **n. sp.**
Prionus laticollis, number of eggs, LAURENT, p. 62, Ent. News Philad. xvi.
P. areschanus, Caucasus, FAIRMAIRE, p. 79, Bull. Soc. ent. France 1905 ; *P. heros*, Arizona, FALL, p. 274, Canad. Ent. 1905 : **n. spp.**
Prosopocera biplagiata, Angola, HEATH, p. 75, fig. 3, Entomologist 1905 ; *P. rothschildi*, Angola, HEATH, p. 98, fig. 2, t. c. : **n. spp.**
Psyrassa texana, Brownsville, SCHAEFFER, p. 160, Bull. Brooklyn Inst. i, **n. sp.**
Purpuricenus dalmatinus var. n. *apicalis*, PIC, p. 163, Echange xxi.
P. robusticollis, Persia, PIC, p. 9, Mat. Long. Cah. v, 2, **n. sp.**
Rhagium bifasciatum, larva, SHARP, p. 163, pl. ix, fig. 9, Tr. ent. Soc. London 1905.
Rhopalophora angustata, Texas, SCHAEFFER, p. 162, Bull. Brooklyn Inst. i, **n. sp.**
Romaleum niveitectum, Arizona, SCHAEFFER, p. 160, t. c. **n. sp.**
Rosalia alpina, variation in Sicily, FIORI, p. 7, Natural. Sicil. xviii ; *R. alpina*, food-trees, GERMAIN, p. 188, Feuille Natural. xxxv.
Semanotus russicus algirica subsp. n., PIC, Echange xxi.
Soridus griseus, Natal, DISTANT, p. 206, Ann. Nat. Hist. (7) xv, **n. sp.**
Spondylus buprestoides, natural history, pp. 37–44, cut, MJÖBERG, Arkiv Zool. ii, No. 17.
Stenopterus ater var. n. *subhumeralis*, PIC, p. 156, Echange xxi.
Stenosphenus beyeri, Arizona, SCHAEFFER, p. 163, Bull. Brooklyn Inst. i, **n. sp.**
Strangalia erinnys Dan., PIC, p. 127, Echange xxi.
Tambusa **n. g.** *Acmoceridaria*, *marleyi* **n. sp.**, Natal, DISTANT, p. 205, Ann. Nat. Hist. (7) xv.
Tetropiopsis guldei, Algeria, CHOBAUT, p. 157, Bull. Soc. ent. France 1905, **n. sp.**
Tetropium gabrieli, Centr. Europe, WEISE, p. 136, Deutsche ent. Zeitschr. 1905, **n. sp.** ; *T. gabrieli* noticed, SHARP, Ent. Mag. 1905, pp. 273, 274 ; *T. crawshayi*, p. 271, *parcum*, p. 272, England, SHARP, Ent. Mag. 1905, **n. spp.**
Thaumasus gigas, habits, RODRIGUEZ, p. 185, Bull. Soc. ent. France 1905.
Tragocephala luctifera, Madagascar, FAIRMAIRE, p. 135, Ann. Soc. ent. Belgique 1905, **n. sp.**
Vesperus xatarti, larva and natural history, NOEL, p. 42, Naturaliste 1905.

Xylotrechus quadrupes, natural history, Tonkin, BOUTAN, C.R. Ac. Sci. cxl, p. 1654.
X. multinotatus, Yunnan, PIC, p. 11, Mat. Long. Cah. v, 1; *X. quercus*, Arizona, SCHAEFFER, p. 163, Bull. Brooklyn Inst. i: **n. spp.**
Zographus lanei, Angola, HEATH, p. 74, fig. 1, Entomologist 1905, **n. sp.**

BRUCHIDÆ.

[Cf. PIC (1187), SCHILSKY (1331).]

SCHILSKY, in Heft. 41, Käf. Eur. tabulates 100 spp. palæarctic *Bruchidæ*.

Acanthocelides **n. g.** for *Bruchus mimosæ* etc., SCHILSKY, Käf. Eur. 41c.
Bruchidius **n. g.**, 41b, for a large part of *Bruchus*, *angustifrons*, Egypt, 52, *ganglbaueri*, Centr. and S. Eur., 78, *sahlbergi*, Egypt, 94, **n. spp.**, SCHILSKY, t. c.
Bruchus not *Laria* to be used; value of Geoffroy's name; the question of opportunism, GANGLBAUER, Munchen. Kol. Zeitschr. iii; *B.* **n. sp.** from gall on Duvana, Chile, KIEFFER & PABLO, Zeitschr. Insbiol. i, p. 66.
Kytorhinus reitteri, Mongolia, SCHILSKY, Käf. Eur. 41, p. 21, **n. sp.**
Laria beauprei, Egypt, PIC, p. 122, Echange xxi, **n. sp.**
Mylabris, *Bruchus* and *Laria*, nomenclatorial, SCHILSKY, Käf. Eur. Heft. 41a–c.

CHRYSOMELIDÆ [except *Hispides* and *Cassidides*].

[Cf. BRIGGS (191), CLAVAREAU (322), JACOBY (810, 811), JACOBY & CLAVAREAU (812, 813), KNAB (870), MCCRACKEN (1019), PIC (1171, 1184, 1187, 1189, 1191), REITTER (1246, 1254), SCHAEFFER (1323, 1324), WEISE (1596–1598, 1606, 1612).]

Allophyla, *Charidea*, and question of open front acetabula, WEISE, p. 188, Deutsche ent. Zeitschr. 1905.
Antonaria **n. g.** type *Pœcilomorpha murina* Westw., JACOBY & CLAVAREAU, p. 8, Gen. Ins. fasc. xxxiii.
A. femorata, Congo, CLAVAREAU, p. 111, Ann. Soc. ent. Belgique 1905, **n. sp.**
Apteropeda orbiculata, food-plant, NEWBERY, p. 210, Ent. Mag. 1905.
Asbecesta læta, Cameroons, WEISE, p. 80, Deutsche ent. Zeitschr. 1905; *A. sobrina*, Rhodesia, WEISE, p. 330, t. c.: **n. spp.**
Atelectura schultzei, Yola, WEISE, p. 77, t. c. **n. sp.**
Aulacophora scutellata Baly, to *Prosmidia*, WEISE, p. 45, t. c.
Bacteriaspis **n. g.**? for *Aulacophora scutellata* Baly, WEISE, p. 328, t. c.
Barticaria **n. g.** for *Megalopus cæruleus* Jac., JACOBY & CLAVAREAU, p. 13, Gen. Ins. fasc. xxxiii.
Blepharida rudeti, E. Africa, WEISE, p. 41, Deutsche ent. Zeitschr. 1905, **n. sp.**
Bradylema robusta (*pallida*, *rufoadumbrata* and *constricollis* Clark, and *transvaalensis* Jac.), WEISE, p. 322, t. c.
Cerophysa siamensis, Malay States, JACOBY, p. v, Fascic. Malay. App. ii, **n. sp.**
Chlamys plicata, natural history, cases, BRIGGS, Cold Spring Mon. iv, 12 pp., 1 pl.
Chrysomela sanguincocincta, Sinai, Crotch 1871, **n. sp.** but not yet recorded, SHARP, p. 520, Ann. Nat. Hist. (7), xv.
Clytra militaris, characters, WEISE, p. 77, Deutsche ent. Zeitschr. 1905.
C. trægaordhi, White Nile, WEISE, p. 18, Jägerskiöld exp. No. 10*a*, **n. sp.**

Colaspoides annandalei, p. iii, *siamensis*, p. iv, Malay States, JACOBY, Fasc. Malay. App. ii, **n. spp.**

Colasposoma ertli, p. 37, *posticum*, *geniculatum*, p. 39, *concinnum*, p. 40, Trop. Africa, WEISE, Deutsche ent. Zeitschr. 1905, **n. spp.**

Coptocephala æneopicta var. n. *bistrijuncta*, PIC, p. 156, Echange xxi; *C. gebleri* var. n. *inundata*, REITTER, p. 251, Wien. ent. Zeit. xxiv.

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A. determinata, *armata*, p. 234, with var. *clitelligera*, *africana*, p. 235, *kigonserana*, *nigritarsis*, p. 236, *niveata*, *grandiceps*, p. 237, *wartmanni*, *krebsi*, *capensis*, p. 238, *caffra*, *glaucopis*, *braunsiana*, p. 239, *nigrifacies*, *cærulea*, p. 240, *A.* (*Eucara* subg. n.) *piligera*, *laticeps*, *penicillata*, p. 241, *hæfligeri*, p. 242, Africa, FRIESE, t. c. ; *A. soror*, Yokohama, PÉREZ, p. 31, Bull. Mus. Paris 1905 ; *A. rhodoscymna*, Queensland, p. 395, *walkeri*, W. Australia, p. 396, *adelaidæ*, S. Australia, p. 397, *salteri*, N. S. W., p. 398, COCKERELL, Ann. Nat. Hist. (7) xvi ; *A. washingtoni*, Pasco, COCKERELL, p. 313, Canad. Ent. 1905 ; *A. corvicolor*, California, COCKERELL, p. 81, Ent. News Philad. xvi : **n. spp.**

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Ann. Mus. St. Petersb. ix ; *B. mearnsi*, Mindanao, ASHMEAD, p. 959, P. U. S. Mus. xxviii ; *B. harmandi*, Japan, PÉREZ, p. 30, Bull. Mus. Paris 1905 ; *B. rufosuffusus*, Colorado, COCKERELL, p. 271, Ent. News Philad. xvi : **n. spp.**

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Cœlioxys, table of N. American, COCKERELL, pp. 87–90, Psyche xii

C. reginæ, p. 221, *albolineata*, p. 222, Queensland, COCKERELL, Ann. Nat. Hist. (7) xvi : *C. angelica*, California, COCKERELL, p. 201, op. cit. xv ; *C. digneti*, Tehuacan, PÉREZ, p. 40, Bull. Mus. Paris 1905 ; *C. chilensis*, p. 140, *nigripes*, *brevicaudata*, p. 141, Chile, FRIESE, Zeitschr. Hym. Dipt. v : **n. spp.**

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D. sphæralcearum, New Mexico, id. p. 744, t. c. ; *D. laticauda*, p. 103, *nitidifrons*, p. 104, California, COCKERELL, Bull. S. Calif. Ac. iv : **n. spp.**

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Epeolus, table of N. American, COCKERELL, pp. 313, 314, Tr. Amer. ent. Soc. xxxi; *E. variegatus* L. validity, the allies, ALFKEN, pp. 126–128, *crucigera*=(*similis* Höppn.), p. 128, ALFKEN, Abh. Ver. Bremen xviii.

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H. schonlandi, p. 329, *dunbrodyensis*, p. 330, Cape Colony, CAMERON, Rec. Albany Mus. i; *H. volutatorius*, p. 185, *iridicolor*, *bidens*, p. 186, *kloofensis*, *whiteanus*, p. 187, *heliophilus*, *transiens*, p. 188, *collegus*, p. 189, *ferinus*, *designatus*, p. 190, S. Africa, CAMERON, Rec. Albany Mus. i; *H. rimalis*, *angularis*, *læviventris*, *discrepans*, p. 36, *orientalis*, p. 37, Japan, PÉREZ, Bull. Mus. Paris 1905; *H. sphecodopsis*, Queensland, COCKERELL, p. 300, Ann. Nat. Hist. (7) xvi; *H. dampieri*, p. 270, *flindersi*, p. 271, *murrayi*, p. 272, *oxleyi*, *humei*, p. 303, *gilesi*, p. 304, Australia, COCKERELL, Entomologist 1905; *H. hortensis*, *versans*, p. 39, *oblongus*, *nubilus*, p. 40, Maine, LOVELL, Canad. Ent. 1905; *H. divergens*, p. 299, *viridatus*, *planatus*, p. 300, LOVELL, Canad. Ent. 1905 : **n. spp.**

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M. alboguttata, Obydos, DUCKE, p. 229, t. c. **n. sp.**

Melissodes nigrosignata pallidisignata subsp. n., COCKERELL, p. 180, P. Soc. Washington xviii; *M. agilis* varr. p. 28, *menuacha semilupina* var. n. p. 29, *M. actuosa* var.? p. 30, COCKERELL, Bull. S. Calif. Ac. iv; *M. agilis* var. n. *subagilis*, COCKERELL, p. 145, Entomologist 1905.

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pp. 74–76, Abh. Ver. Bremen xviii; *N. collinsiana* ♂, COCKERELL, p. 47, Colorado Univ. Stud. iii; *N. integra* = (*thersites* Schm.), ALFKEN, p. 145, Zeitschr. Hym. Dipt. v.

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Nomia, group characters, COCKERELL, p. 322, Tr. Amer. ent. Soc. xxxi; *N. pulchribalteata austrovagans* subsp. n., p. 218, *N. australica* var. n. *reginæ*, p. 221, COCKERELL, Entomologist 1905; *N. willeyi* n. n. for *metallica* Cam., CAMERON, p. 269, t. c.

N. bidiensis, p. 166, *erythropoda*, p. 167, Borneo, CAMERON, J. Straits Asiat. Soc. xliv; *N. fruhstorferi*, Tsushima, PÉREZ, p. 37, Bull. Mus. Paris 1905; *N. gilberti*, p. 304, *semiaurea*, p. 305, *halictella*, p. 306, with var. *triangularis*, p. 307, Queensland, COCKERELL, Ann. Nat. Hist. (7) xvi; *N. lepidota*, p. 218, *tenuihirta*, *rufocognita*, p. 219, *semipallida*, *hypodonta*, p. 220, *flavoviridis* with var. *doddi*, p. 222, *rubroviridis*, p. 223, Australia, COCKERELL, Entomologist 1905 : **n. spp.**

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Paranomia quadrituberculata, *whiteana*, S. Africa, CAMERON, p. 191, Rec. Albany Mus. i, **n. spp.**

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Podalarius æthiopicus, S. Africa, CAMERON, p. 199, Rec. Albany Mus. i, **n. sp.**

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gibba=(*kirschbaumi* Fr.-G.), ALFKEN, p. 146, Zeitschr. Hym. Dipt. v; *P. frederici* n. n. for *similis* Sm., *cameroni* n. n. for *sulcifrons* Cam., COCKERELL, p. 403, Ann. Nat. Hist. (7) xvi.

P. duckei, S. Europe, ALFKEN, p. 119, Abh. Ver. Bremen xviii; *P. abyssinica*, Abyssinia, p. 91, *dalmatica*, Dalmatia, p. 92, ALFKEN, Zeitschr. Hym. Dipt. v; *P. braunsi*, Cape Colony, ALFKEN, p. 147, Zeitschr. Hym. Dipt. v; *P. quadrilineata*, S. Africa, CAMERON, p. 197, Rec. Albany Mus. i; *P. tagala*, Manila, ASHMEAD, p. 959, P. U. S. Mus. xxviii; *P. albonitens*, p. 399, *disjuncta*, *parakela*, p. 400, *perviridis*, p. 401, *reginarum*, *turneriana*, p. 402, *lubbocki*, p. 403, Australia, COCKERELL, Ann. Nat. Hist. (7) xvi; *P. sydneyana*, p. 467, *constricta*, p. 468, *coronata*, *subplebeia*, *percrassa*, p. 469, Australia, *hobartiana*, Tasmania, p. 470, *primulipicta*, *baudinensis*, p. 471, Australia, COCKERELL, t. c.; *P. eulophi*, Illinois, ROBERTSON, p. 236, Canad. Ent. 1905; *P. crenulata*, Mexico, COCKERELL, p. 200, Ann. Nat. Hist. (7) xv : **n. spp.**

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Scrapteroides cupheæ, Paraguay, SCHROTTKY, p. 2, An. cient. Paraguay. No. 4, **n. sp.**

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S. friesei, Cape Colony, BRAUNS, p. 76, Zeitschr. Hym. Dipt. v, **n. sp.**

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S. iridipennis, p. 327, *oneili*, p. 328, *capensis*, p. 329, Cape Colony, CAMERON, Rec. Albany Mus. i; *S. tasmaniæ*, Hobart, COCKERELL, p. 299, Ann. Nat. Hist. (7) xvi : **n. spp.**

Stictonomia **n. g.** near *Nomia*, *punctata* **n. sp.**, Cape Colony, CAMERON, p. 192, Rec. Albany Mus. i.

Stilpnosoma semisericea, Queensland, COCKERELL, p. 476, Ann. Nat. Hist. (7) xvi, **n. sp.**

Synhalonia belfragei virgata subsp. n., COCKERELL, p. 100, Bull. S. Calif. Ac. iv; *S. gillettei snoviana* subsp. n., *lippiæ semilippiæ* subsp. n., COCKERELL, p. 179, P. Soc. Washington xviii; *S. angustior*, var. *edwardsii* is distinct, COCKERELL, p. 31, Bull. S. Calif. Ac. iv; *S. lippiæ*, a distinct species, COCKERELL, p. 224, Ann. Nat. Hist. (7) xvi.

S. gillettei, Colorado, COCKERELL, p. 203, op. cit. xv; *S. territella*, p. 146, *truttæ*, p. 147, Colorado, COCKERELL, Entomologist 1905; *S. cordleyi*, Oregon, VIERECK, p. 316, Canad. Ent. 1905; *S. astragalina*, Colorado, COCKERELL, p. 271, Ent. News Philad. xvi; *S. idiotes*, California, COCKERELL, p. 105, Bull. S. Calif. Ac. iv; *S. fowleri*, Los Angeles, p. 28, *hirsutior*, Banning, p. 29, COCKERELL, Bull. S. Calif. Ac. iv; *S. cressoniana*, Texas, p. 177, *fuscotincta*, Arizona, p. 178, COCKERELL, P. Soc. Washington xviii : **n. spp.**

Tetralonia apicalis, *braunsiana*, p. 20, *caudata*, *minuta*, p. 21, *minuticornis*, *obscuripes*, p. 22, *ottiliensis*, p. 23, Africa, FRIESE, Zeitschr. Hym. Dipt. v, **n. spp.**

Trachusa perdita, California, COCKERELL, p. 159, Bull. S. Calif. Ac. iii, **n. sp.**

Triepeolus wyomingensis, p. 201, *callopus*, p. 202, N. America, COCKERELL, Ann. Nat. Hist. (7) xv; *T. hopkinsi*, Arizona, COCKERELL, p. 184, P. Soc. Washington xviii; *T. pænepectoralis*, Canada, VIERECK, p. 278, Canad. Ent. 1905; *T. coquilletti*, California, COCKERELL, p. 106, Bull. S. Calif. Ac. iv; *T. digueti*, Oaxaca, COCKERELL, p. 165, Bull. Mus. Paris 1905 : **n. spp.**

Trigona cupira, ♀, and dimorphic? workers, SCHULZ, pp. 139–142, Hymen.-Stud.
T. essingtoni, N. Australia, COCKERELL, p. 220, Ann. Nat. Hist. (7) xvi, **n. sp.**
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Xenoglossa strenua var. n. *kansensis*, COCKERELL, p. 104, Psyche xii.
X. utahensis, Utah, COCKERELL, p. 182, P. Soc. Washington xviii; *X. davidsoni*, Los Angeles, COCKERELL, p. 28, Bull. S. Calif. Ac. iv : **n. spp.**
Xenoglossodes gutierreziæ, New Mexico, COCKERELL, p. 218, Ann. Nat. Hist. (7) xvi, **n. sp.**
Xylocopa violacea, Stomach of, BUGNION, pp. 109–128, pls. iii–vi, Mt. Schweiz. ent. Ges. xi; *X. violacea*, crop and gizzard, BORDAS, C.R. Soc. Biol. lviii, pp. 636–638.

DIPLOPTERA (VESPIDÆ, EUMENIDÆ, MASARIDÆ).

[Cf. ASHMEAD (31, 34), AURIVILLIUS (43), BORDAS (143), BRAUNS (173), DU BUYSSON (229–233), CAMERON (244, 251, 252, 261, 263, 264, 266, 269, 273, 275), DUCKE (461, 462), ENTEMAN (518), FREKE (598), HARTMAN (728), IHERING (800), KOHL (875), LALOY (909), MARSHALL & DERNEHL (1012), PECKHAM (1143), PÉREZ (1146), SAUNDERS (1321), SCHULZ (1359, 1361).]

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Apoica pallida, natural history, SCHULZ, p. 123, Hymen.-Studien.
Caba **n. n.** for *Brachygastra*, p. 105, *C. bilineolata* var. n. *fasciata*, p. 112, IHERING, Revist. Mus. Paulista vi.
Charterginus, nests, DUCKE, pl. i, p. 24, Rev. Ent. franc. 1905.
C. duckei, Bahia, BUYSSON, p. 126, Bull. Soc. ent. France 1905, **n. sp.**
Cœlonites purcelli, p. 226, *andrei*, p. 228, *wheeleri*, p. 230, *capensis*, p. 231, *promontorii*, p. 232, S. Africa, BRAUNS, Ann. Mus. Hungar. iii, **n. spp.**
Discoelius japonicus, Japan, PÉREZ, p. 85, Bull. Mus. Paris 1905, **n. sp.**
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E. (*Pareumenes*) *sansibarica*, Africa, SCHULZ, p. 9, t. c.; *E. rufolineata*, S. Africa, CAMERON, p. 206, Rec. Albany Mus. i; *E. harmandi*, p. 84, *rubronotatus*, p. 85, Japan, PÉREZ, Bull. Mus. Paris 1905; *E.* (*Pachymenes*) *orellanæ*, p. 106, *E.* (*Omicron*) *foxi*, p. 109, Amazons, SCHULZ, Hymen.-Stud.; *E. nicaraguaensis*, Chinandega, CAMERON, p. 104, Invert. pacif. i : **n. spp.**

Icaria intermedia, p. 70, *rufoplagiata*, p. 71, *bilineata*, p. 72, Java, *sericea*, Sikkim, p. 73, CAMERON, Tijdschr. Ent. xlviii ; *I. cayayanensis* (but altered to *cagayanensis*, p. 962, Philippines, ASHMEAD, p. 3, Canad. Ent. 1905 : **n. spp.**

Ischnogaster serrei, Batavia, p. 281, *striatulus*, Sumatra, p. 282, DU BUYSSON, Bull. Soc. ent. France 1905, **n. spp.**

Leionotus xanthozonatus, Manila, ASHMEAD, p. 962, P. U. S. Mus. xxviii, **n. sp.**

Masariella **n. g.** for *Masaris alfkeni* Buyss., BRAUNS, p. 223, Ann. Mus. Hungar. iii.

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Monacanthocnemis **n. g.** for *filiformis* Sauss., DUCKE, p. 21, t. c.

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N. buyssoni, Upper Amazons, DUCKE, p. 11, Rev. Ent. franc. 1905, **n. sp.**

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Parachartergus **n. g.**, p. 128, *bentobuenoi* **n. sp.**, Brazil, p. 129, pl. iv, fig. 7, IHERING, Revist. Mus. Paulista vi.

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P. aquilinus, *tenellus*, Congo, p. 256, *bituberculatus*, *albocalcaratus*, Madagascar, p. 257, BUYSSON, Bull. Soc. ent. France 1905; *P. varicornis*, p. 67, *javanicus*, p. 68, Java, CAMERON, Tijdschr. Ent. xlviii; *P. nipponensis*, p. 82, *megei*, p. 83, Japan, PÉREZ, Bull. Mus. Paris 1905; *P. deceptor*, Amazons, SCHULZ, p. 119, Hymen.-Stud.; *P. erythrogaster*, *rhodostoma*, Amazons, DUCKE, p. 23, Rev. Ent. franc. 1905: **n. spp.**

Polybia pediculata var. n. *unilineata*, p. 184, *occidentalis* var. n. *juruana*, p. 198, *septentrionalis* n. n. for *fasciata* Lep., p. 210, *meridionalis* n. n. for *phthisica*, p. 211, IHERING, Revist. Mus. Paulista vi; *P. occidentalis* varr. n. *diguetana*, *nigratella*, BUYSSON, p. 9, Bull. Soc. ent. France 1905.

P. spilonota, Nicaragua, CAMERON, p. 68, Invert. pacif. i; *P. decorata*, p. 19, *ornata*, *ruficornis*, *flavipennis*, p. 20, Amazons, DUCKE, Rev. Ent. franc. 1905; *P. tapuya*, Amazons, SCHULZ, p. 133, Hymen.-Stud.; *P. ypiranguensis*, p. 188, *furnaria*, p. 217, Brazil, IHERING, Revist. Mus. Paulista vi: **n. spp.**

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Pseudochartergus **n. g.** for pt. of *Charterginus* Fox, p. 15, DUCKE, Rev. Ent. franc. 1905.

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Rhynchium superbum ♂, CAMERON, p. 76, Tijdschr. Ent. xlviii.

R. varipes, Japan, PÉREZ, p. 85, Bull. Mus. Paris 1905, **n. sp.**

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Synoeca surinama, nest, SCHULZ, p. 124, Hymen.-Stud.

Synoecoides **n. g.** *depressa* **n. sp.**, Upper Amazons, DUCKE, p. 16, Rev. Ent. franc. 1905.

Trimeria buyssoni ♂, BUYSSON, p. 10, Bull. Soc. ent. France 1905.

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Zethus spiniventris, p. 171, *inermis*, *buyssoni*, p. 172, Lower Amazons, DUCKE, Zeitschr. Hym. Dipt. v, **n. spp.**

HYMENOPTERA FOSSORIA (or SPHEGOIDEA).

[Cf. ANDRÉ (24, 25, 27), ASHMEAD (31, 32), AURIVILLIUS (43), BAKER (65, 66), CAMERON (241, 242, 243, 244, 246, 251, 261, 262, 263, 264, 266, 269, 272, 273, 274), FERTON (558), GARCÍA (639–642), HARTMAN (728), KOHL (874–876), PECKHAM (1143), PÉREZ (1146), SCHULZ (1359).]

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Ampulex capensis, p. 254, *spiloptera*, p. 255, *africana*, p. 256, Cape Colony, CAMERON, Rec. Albany Mus. i ; *A. javana*, Tjibodas, p. 60, *micado*, Japan, p. 61, CAMERON, Tijdschr. Ent. xlviii : **n. spp.**

Anoplius leppani, p. 216, *soleanus*, p. 217, *dalyanus*, p. 218, *A.* (*Pompilogastra* ?) *erythrourus*, p. 219, S. Africa, CAMERON, Rec. Albany Mus. i ; *A. mimeticus*, Cape Colony, CAMERON, p. 262, t. c. ; *A.* (*Pompilus*) *orodes*, Darjiling, CAMERON, p. 17, Entomologist 1905 ; *A. paludes*, p. 467, *reconditus*, *ædilus*, *stimulatus*, p. 468, *ardescens*, p. 469, *lictor*, *tyres*, p. 470, *fortinatus*, *delphus*, p. 471, *addendus*, p. 472, *funebranus*, *lanatus*, p. 473, Khasia hills, CAMERON, Ann. Nat. Hist. (7) xv : **n. spp.**

Anthobosca antennata Sm., queried as *Adontothynnus*, CAMERON, p. 306, Rec. Albany Mus. i.

Anthophilus hirticeps, p. 376, *melanaspis*, *maculiventris*, p. 377, Mexico, CAMERON, Tr. Amer. ent. Soc. xxxi, **n. spp.**

Apterogyna bimaculata var. n. *rufescens*, GARCÍA, p. 488, Bol. Soc. espan. v.

A. mocsaryi, Egypt, ANDRÉ, p. 202, Zeitschr. Hym. Dipt. v, **n. sp.**

Apteropompilus dentatus ♂, CAMERON, p. 136, Zeitschr. Hym. Dipt. v.

Astata melanaria, p. 257, *fuscistigma*, p. 258, Cape Colony, CAMERON, Rec. Albany Mus. i, **n. spp.**

Belomicrus mirificus, Abyssinia, KOHL, p. 225, Zeitschr. Hym. Dipt. v, **n. sp.**

Bembex galactina Duf., SCHULZ, pp. 62–65, cuts, Hymen.-Stud. ; *B. rostrata algeriensis* subsp. n., SCHULZ, p. 39, t. c.

B. fallax, p. 352, *citrina*, p. 353, Tangier, GARCÍA MERCET, Bol. Soc. espan. v ; *B. maroccana*, Tangier, LAUFFER, p. 465, Bol. Soc. espan. v ; *B. fonti*, Rio de Oro, GARCÍA MERCET, p. 342, Bol. Soc. espan. v ; *B. semoni*, New Guinea, CAMERON, p. 65, Tijdschr. Ent. xlviii : **n. spp.**

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Ceropales pruinosa, Khasia hills, CAMERON, p. 415, Ann. Nat. Hist. (7) xv, **n. sp.**

Chalybion japonicum, Japan, PÉREZ, p. 152, Bull. Mus. Paris 1905, **n. sp.**

Chyphotes piceiceps, p. 116, *californicus*, *similis*, p. 117, *nevadensis*, p. 118, California and Nevada, BAKER, Invert. pacif. i, **n. spp.**

Clavelia and *Parapompilus* are sexes, not genera, SCHULZ, p. 25, Hymen-Stud.

Crabro erythrotoma, Cape Colony, CAMERON, p. 259, Rec. Albany Mus. i ; *C. æmulans*, p. 352, *C.* (*Rhopalum-Corynopus*) *rufotæniatus*, p. 353, *C.* (*Rhopalum*) *herbstii*, p. 355, Chile, *C.* (*Entomocrabro* subg. n.) *duckei*, p. 357, Brazil, KOHL, Verh. Ges. Wien 1905 ; *C. elvinus*, p. 14, *lysias*, *menyllus*, p. 15, India, CAMERON, Entomologist 1905 ; *C. himalayensis*, *monozonus*, Khasia hills, CAMERON, p. 218, Ann. Nat. Hist. (7) xv ; *C. konowi*, Japan, p. 218, *C.* (*Entomognathus*) *schmiedeknechti*, Corfu, p. 219, *libanonis*, Syria, p. 220, *C.* (*Lindenius*) *ibericus* Kohl, p. 221, Spain, *hæmodes*, Egypt, p. 222, *crenulifer* Damascus, p. 224, *latebrosus* Irkutsk, p. 225, KOHL, Zeitschr. Hym.

Dipt. v ; *C. iridifrons*, p. 154, *radiatus*, *tetracanthus*, p. 155, Japan, PÉREZ, Bull. Mus. Paris 1905 ; *C. mexicanus*, p. 265, *ezræ*, p. 266, Mexico, CAMERON, Tr. Amer. ent. Soc. xxx : **n. spp.**

Dielis sericeps, p. 55, *nigrofimbriata*, p. 56, Java, CAMERON, Tijdschr. Ent. xlviii ; *D. truscanensis*, Borneo, CAMERON, p. 164, J. Straits Asiat. Soc. xliv : **n. spp.**

Dimorphomutilla? luatha, hab.? CAMERON, p. 378, Tr. Amer. ent. Soc. xxxi, **n. sp.**

Diodontus reticulatus, Deesa, CAMERON, p. 83, Entomologist 1905, **n. sp.**

Discolia bonaespei, S. Africa, CAMERON, p. 224, Rec. Albany Mus. i ; *D. varifrons*, New Guinea, CAMERON, p. 54, Tijdschr. Ent. xlviii ; *D. signatifrons*, Japan, PÉREZ, p. 86, Bull. Mus. Paris 1905 : **n. spp.**

Entomocrabro **subg. n.** cf. *Crabro*.

Entomognathus mexicanus, Mexico, CAMERON, p. 266, Tr. Amer. ent. Soc. xxx, **n. sp.**

Ephuta chinandegæ, Nicaragua, CAMERON, p. 100, Invert. pacif. i, **n. sp.**

Ephutomorpha præstans, New Guinea, p. 266, *darwiniana*, p. 268, *vittigera*, p. 270, *argenteolineata*, p. 271, *maculiventris*, p. 272, N. Australia, *biroi*, p. 273, *incisa*, p. 275, New Guinea, *rubropetiolata*, N. S. Wales, p. 276, ANDRÉ, Zeitschr. Hym. Dipt. v, **n. spp.**

Epomidopteron, cf. *Paratiphia*.

Gorytes africanus, Tangier, GARCÍA, p. 464, Bol. Soc. espan. v, **n. sp.**

Heliocausus dubius, Chile, KOHL, p. 362, Verh. Ges. Wien 1905, **n. sp.**

Holcorhopalum **n. g.** near *Rhopalum*, *foveatum* **n. sp.**, Mexico, CAMERON, p. 264, Tr. Amer. ent. Soc. xxx.

Hoplisus whitei, S. Africa, CAMERON, p. 210, Rec. Albany Mus. i ; *H. tricinctus*, Japan, PÉREZ, p. 157, Bull. Mus. Paris 1905 : **n. spp.**

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Mellinus tristis, Japan, PÉREZ, p. 156, Bull. Mus. Paris 1905, **n. sp.**

Microphadnus **n. g.** *Ceropalidæ*, p. 212, *bicolor*, *M.? fuscipennis* **n. spp.**, S. Africa, p. 213, CAMERON, Rec. Albany Mus. i.

Mimesa japonica, Japan, PÉREZ, p. 150, Bull. Mus. Paris 1905, **n. sp.**

Mutilla rufipes var. n. *dusmeti*, *M. littoralis* var. n. *soconusca*, GARCÍA, p. 494, Bol. Soc. espan. v ; *M. urania* var. = (*buddha* Cam.), CAMERON, p. 51, Tijdschr. Ent. xlviii.

M. nuptura, Escorial, p. 490, *matritensis*, p. 493, GARCÍA, Bol. Soc. espan. v ; *M. transvaalensis*, p. 24, *arcuaticeps*, p. 25, Transvaal, ANDRÉ, Bull. Soc. ent. France 1905 ; *M. minor*, p. 206, *katonai*, p. 207, *ukamiensis*, p. 208, Africa, *ditissima*, p. 209, *pulcherrima*, p. 210, Madagascar, *pekiniana*, China, p. 214, *celebensis*, Celebes, p. 215, ANDRÉ, Zeitschr. Hym. Dipt. v ; *M. javanica*, p. 48, *melmora*, p. 49, Java, *lodina*, Borneo, p. 50, CAMERON, Tijdschr. Ent. xlviii : **n. spp.**

Myrmilla bidentata, Transvaal, ANDRÉ, p. 205, Zeitschr. Hym. Dipt. v, **n. sp.**

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Sericomyrmex burchelli, Goyaz, FOREL, p. 183, Ann. Soc. ent. Belgique 1905, **n. sp.**

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S. santschii, Tunis, FOREL, p. 174, t. c. ; *S. pygmæa*, Java, FOREL, p. 21, Mt. Mus. Hamburg xxii : **n. spp.**

Stenamma barbarum varr. n. from Tunis, FOREL, pp. 176, 177, Ann. Soc. ent. Belgique 1905.

Stigmacros **n. n.** for *Acrostigma* For., FOREL, p. 179, t. c.

Strumigenys cordovensis var. n. *mokensis*, FOREL, p. 158, t. c.

S. lanuginosa, Bahamas, WHEELER, p. 104, Bull. Amer. Mus. xxi ; *S. kraepelini*, p. 8, *koningsbergeri*, p. 9, *signeæ*, p. 10, *ebbæ*, p. 11, *juliæ*, *inezæ*, p. 12, Java, *havilandi*, Natal, p. 13, FOREL, Mt. Mus. Hamburg xxii : **n. spp.**

Tapinoma setiferum var. n. *javanum*, FOREL, p. 22, t. c.

T. litorale, Bahamas, WHEELER, p. 109, Bull. Amer. Mus. xxi, **n. sp.**

Technomyrmex modiglianii javanus subsp. n., FOREL, p. 23, Mt. Mus. Hamburg xxii.

T. kraepelini, Java, FOREL, p. 23, t. c. **n. sp.**

Tetramorium cæspitum var. n. *mossamedensis*, FOREL (586), p. 560 ; *T. striativentre* and subsp. *schneideri*, RUZSKY, pp. 517, 518, Zool. Anz. xxix.

T. infraspinum, p. 14, *kraepelini*, p. 15, Java, FOREL, Mt. Mus. Hamburg xxii ; *T. lucayanum*, Bahamas, WHEELER, p. 100, Bull. Amer. Mus. xxi : **n. spp.**

Wheeleria **n. g.** near *Monomorium*, *santschii* **n. sp.**, FOREL, p. 171, Ann. Soc. ent. Belgique 1905.

Xenomyrmex stolli var. n. *lucayanus*, WHEELER, p. 87, Bull. Amer. Mus. xxi.

CHRYSIDÆ.

Chrysis dichroa, larval habits, FERTON, pp. 82–88, Ann. Soc. ent. France 1905.

Cleptes magnificus, p. 99, *buyssoni*, p. 100, Parà, DUCKE, Bull. Soc. ent. Ital. xxxvi, **n. spp.**

HYMENOPTERA PARASITICA.

Parasitic *Hym.* reared from *Microlepidoptera*, CROMBRUGGHE, Ann. Soc. ent. Belgique 1905, p. 205.

Parasites of *Pyralis* and *Cochylis* of the vine, FROEH, p. 64, Bull. Soc. Reims xiii.

Parasites of *Oeceticus platensis*, short note, BRUCH, Revist. Jard. Buenos Aires (2) i, pp. 117–120.

ICHNEUMONIDÆ.

[Cf. ASHMEAD (31–35), BERTHOUMIEU (106), BRAUNS (176–179), BRÈTHES (187), CAMERON (240, 243, 245, 248, 250, 251, 256, 258, 260, 261–265, 269–273, 275), GRAENICHER (686), KRIEGER (895), MOCSÁRY (1055), MORLEY (1067), NORDENSTRÖM (1109), PFANKUCH (1163), ROMAN (1289), SCHMIEDEKNECHT (1334), SZÉPLIGETI (1465, 1467).]

Revision of palæarctic *Ichneumonidæ*, Part I, *Anomalinæ* to *Paniscinæ*, SZÉPLIGETI, pp. 508–540, Ann. Mus. Hungar. iii.

The stalked eggs and the ovipositor of *Rhyssa*, BUGNION, C.R. Congr. Zool. vi, pp. 511–521, plate.

Acanthoprymnus **n. g.** *Hemitelini*, p. 249, *violaceipennis* **n. sp.**, Cape Colony, p. 250, CAMERON, Entomologist 1905.

Agarenes **n. g.** *Joppini*, p. 152, *cariniscutis* **n. sp.**, Borneo, p. 153, CAMERON, J. Straits Asiat. Soc. xliv.

Aglaojoppa maculiceps, p. 81, *maculiscutis*, p. 82, *cariniscutis*, *maculipes*, p. 83, *iridipennis*, *nigrocœrulea*, p. 85, Sikkim, CAMERON, Zeitschr. Hym. Dipt. v, **n. spp.**

Agrothereutes nigritarsis, *albipalpis*, Manila, ASHMEAD, p. 409, P. U. S. Mus. xxix, **n. sp.**

Agrypon faciale, Budapest, SZÉPLIGETI, p. 517, Ann. Mus. Hungar. iii; *A. flaviceps*, ? Mexico, CAMERON, p. 379, Tr. Amer. ent. Soc. xxxi: **n. spp.**

Allacota bruchi, metamorphosis, p. 119, cut, BRUCH, Revist. Jard. Buenos Aires (2) i.

Allocota bruchii, Argentina, BRÈTHES, p. 17, An. Mus. Buenos Aires (3) iv, **n. sp.**

Allophatnus **n. g.** *Cryptina*, *fulvipes* **n. sp.**, S. Africa, CAMERON, p. 233, Rec. Albany Mus. i.

Aluina **n. g.** *Ichneumoninæ*, p. 101, *erythropus* **n. sp.**, Ceylon, p. 102, pl. A, f. 11, CAMERON, Spolia Zeylan. iii.

Amauromorpha **n. g.** near *Atropha*, *metathoracica* **n. sp.**, Manila, ASHMEAD, p. 410, P. U. S. Mus. xxix.

Amblyjoppa varicornis, p. 79, *melanoptera*, p. 80, Sikkim, CAMERON, Zeitschr. Hym. Dipt. v, **n. spp.**

Aneuclis ? *erythrostomus*, Nevada, CAMERON, p. 131, Invert. pacif. i, **n. sp.**

Anisobas cincticornis to *Acanthojoppa*, characters, CAMERON, p. 158, J. Straits Asiat. Soc. xliv.

Anomalon ruficorne, p. 511, *leucopus*, p. 513, palæarctic region, SZÉPLIGETI, Ann. Mus. Hungar. iii; *A. apicate*, Simla, CAMERON, p. 106, Entomologist 1905: **n. spp.**

Apechoneura semilunata, Bolivia, p. 10, *rufata*, Brazil, p. 11, *nigricornis*, Costa Rica, *nigriventris*, p. 12, *pictiventris*, p. 13, Peru, *foveata*, Costa Rica, p. 14, MOCSÁRY, Ann. Mus. Hungar. iii, **n. spp.**

Apsilops nigriceps, Manila, ASHMEAD, p. 114, P. U. S. Mus. xxix, **n. sp.**

Atelcophadnus **n. g.** *Cryptinæ*, p. 127, *bicarinata* **n. sp.**, Nevada, p. 128, CAMERON, Invert. pacif. i.

Atoponeura **n. g.** *Ophionidæ*, *concolor* **n. sp.**, Celebes, SZÉPLIGETI, p. 34, Gen. ins. fasc. xxxiv.

Banchus tricolor, Nevada, CAMERON, p. 130, Invert. pacif. i, **n. sp.**

Bassides, table of palæarctic, MORLEY, pp. 424–438, Tr. ent. Soc. London 1905.

Bassus orientalis, Ceylon, CAMERON, p. 131, Spolia Zeylan. iii, **n. sp.**

Bathycrisis **n. g.** *Cryptinæ*, p. 96, *striaticollis* **n. sp.**, Trincomalee, p. 97, CAMERON, t. c.

Bathythrix ? *rubriornatus*, pl. B, fig. 4, *striatus*, fig. 5, Ceylon, CAMERON, p. 116, t. c. **n. spp.**

Bentyra **n. g.** *Tryphonides*, *striata* **n. sp.**, Sarawak, CAMERON, p. 116, J. Straits Asiat. Soc. xliv.

Brachycoryphus ? *striolatus*, Capetown, CAMERON, p. 236, Rec. Albany Mus. i, **n. sp.**

Brachyrhopalum ? *nigriceps*, Grahamstown, CAMERON, p. 235, t. c. **n. sp.**

Buodias rufipes, Ceylon, CAMERON, p. 106, pl. A, fig. 12, Spolia Zeylan. iii; *B. maculipennis*, Singapore, p. 138, *rufipes*, Borneo, p. 139, CAMERON, J. Straits Asiat. Soc. xliv: **n. spp.**

Cænoaulax **n. g.** *Hemitelini*, p. 247, *striatus* **n. sp.**, Grahamstown, p. 248, CAMERON, Rec. Albany Mus. i.

Cænojoppa **n. g.** *longitarsis* **n. sp.**, Borneo, CAMERON, p. 155, J. Straits Asiat. Soc. xliv; *C.* **n. g.** near *Imeria*, p. 162, *longitarsis* **n. sp.**, Borneo, p. 163, CAMERON, Ann. Nat. Hist. (7) xvi.

Cænostoma **n. g.** *Xorides*, p. 125, *filicornis* **n. sp.**, Sarawak, p. 126, CAMERON, J. Asiat. Soc. xliv.

Campoplex oneili, Cape Colony, CAMERON, p. 315, Rec. Albany Mus. i; *C. simlaensis*, India, CAMERON, p. 282, Zeitschr. Hym. Dipt. v; *C. greeni*, Ceylon, CAMERON, p. 127, Spolia Zeylan. iii; *C. sumichrasti*, Mexico, CAMERON, p. 258, Tr. Amer. ent. Soc. xxx: **n. spp.**

Campsocryptus brevicornis, California, CAMERON, p. 127, Invert. pacif. i, **n. sp.**

Ceratojoppa **n. g.** *cornuta* **n. sp.**, Natal, CAMERON, p. 346, Zeitschr. Hym. Dipt. v.

Ceratospilus **n. g.** *Ophioninæ*, p. 28, *biroi* **n. sp.**, New Guinea, p. 29, SZÉPLIGETI, Gen. ins. fasc. xxxiv.

Cerda **n. g.** near *Protarchus*, *fuscipennis* **n. sp.**, Mexico, CAMERON, p. 255, Tr. Amer. ent. Soc. xxx.

Charitopimpla annulipes, Ceylon, CAMERON, p. 139, pl. B, fig. 9, Spolia Zeylan. iii, **n. sp.**

Charops longiventris, Manila, ASHMEAD, p. 117, P. U. S. Mus. xxix; *C. papilionis*, Manila, ASHMEAD, p. 6, Canad. Ent. 1905: **n. spp.**

Chiodes oculatus, Manila, ASHMEAD, p. 966, P. U. S. Mus. xxviii, **n. sp.**

Chirotica balteata, Cape Colony, CAMERON, p. 232, Zeitschr. Hym. Dipt. v, **n. sp.**

Chromocryptus albomaculatus, Manila, ASHMEAD, p. 115, P. U. S. Mus. xxix, **n. sp.**

Cidaphurus nigrolineatus, Nevada, CAMERON, p. 129, Invert. Pacif. i, **n. sp.**

Clatha **n. g.** near *Agrypon*, p. 129, *longipes* **n. sp.**, Ceylon, p. 130, CAMERON, Spolia Zeylan. iii.

Clitiga **n. g.** *Cryptinæ*, p. 117, *excavata*, *forticornis*, f. 7, **n. spp.**, Ceylon, pl. B, f. 6, p. 118, CAMERON, t. c.

Cœlichneumon bilineatus, p. 244, *C.* ? *albopilosellus*, p. 245, N. India, CAMERON, Zeitschr. Hym. Dipt. v, **n. spp.**

Cœnostoma **n. g.** *Xoridini*, p. 171, *filicornis* **n. sp.**, Borneo, p. 172, CAMERON, Entomologist 1905.

Cœsula **n. g.** *Mesostenini*, p. 145, *fulvipes* **n. sp.**, Borneo, p. 146, CAMERON, J. Straits Asiat. Soc. xliv.

Coiloneura **n. g.** near *Eremotylus*, *melanostigma*, *longicornis* **n. spp.**, New Guinea, SZÉPLIGETI, p. 35, Gen. ins. fasc. xxxiv.

Colganta varicornis, p. 150, *annulicornis*, p. 151, Borneo, CAMERON, J. Straits Asiat. Soc. xliv, **n. spp.**

Cosmiojoppa orbitalis, Simla, CAMERON, p. 80, Zeitschr. Hym. Dipt. v, **n. sp.**

Cratichneumon rufo-femoratus, Sikkim, CAMERON, p. 143, t. c.; *C. erythrozonus*, CAMERON, p. 105, Entomologist 1905; *C. manilæ*, Philippines, ASHMEAD, p. 113, P. U. S. Mus. xxix: **n. spp.**

Cratocryptus **n. g.** near *Skeatia*, p. 141, *maculiceps* **n. sp.**, Borneo, p. 142, CAMERON, J. Straits Asiat. Soc. xliv.

Cratojoppa rufofemorata, Borneo, CAMERON, p. 157, t. c. **n. sp.**
Cremastus ægyptiacus, Cairo, p. 527, *filicaudis*, Hungary, p. 528, SZÉPLIGETI, Ann. Mus. Hungar. iii, **n. spp.**
Cryptanura annulipes, Mexico, CAMERON, p. 254, Tr. Amer. ent. Soc. xxx, **n. sp.**
Cryptus labilis, p. 340, *nigropictus*, p. 341, S. Africa, CAMERON, Zeitschr. Hym. Dipt. v; *C. æthiopicus*, Grahamstown, CAMERON, p. 234, Rec. Albany Mus. i; *C. tuberculatus*, Cape Colony, CAMERON, p. 308, t. c.; *C. excavatus*, p. 84, *luculentus*, p. 85, Simla, CAMERON, Entomologist 1905: **n. spp.**
Ctenopelma braunsii, Bremen, PFANKUCH, p. 141, Abh. Ver. Bremen xviii, **n. sp.**
Curtonotus rufus, Waigiou, MOCSÁRY, p. 7, Ann. Mus. Hungar. iii, **n. sp.**
Cyanoxorides rufomaculatus, p. 164, *cæruleus*, p. 165, Borneo, CAMERON, Ann. Nat. Hist. (7) xvi: *C. rufomaculatus*, p. 128, *cæruleus*, p. 129, Borneo, CAMERON, J. Straits Asiat. Soc. xliv: **n. spp.**
Darymna zonata, Sikkim, CAMERON, p. 88, Zeitschr. Hym. Dipt. v, **n. sp.**
Delomerista pfankuchi, Bremen, BRAUNS, p. 131, Zeitschr. Hym. Dipt. v, **n. sp.**
Deniya **n. g.** *Ichneumoninæ, pleuralis* **n. sp.**, Ceylon, pl. A, f. 10, CAMERON, p. 103, Spolia Zeylan. iii.
Dicamptus **n. g.** *Ophioninæ, giganteus* **n. sp.**, Java, SZÉPLIGETI, p. 28, Gen. ins. fasc. xxxiv.
Dinocryptus **n. g.** p. 170, *niger* **n. sp.**, Borneo, p. 171, CAMERON, Entomologist 1905; *D.* **n. g.** near *Cryptoideus*, p. 146, *niger* **n. sp.**, Kuching, p. 147, CAMERON, J. Straits Asiat. Soc. xliv.
Druseia **n. g.** *Joppini*, p. 163, *quadridentata* **n. sp.**, Borneo, p. 164, CAMERON, Ann. Nat. Hist. (7) xvi; *Druseia* **n. g.** *Joppini*, p. 153, *4-dentata* **n. sp.**, Borneo, p. 154, CAMERON, J. Straits Asiat. Soc. xliv.
Earrana **n. g.** *Cryptinæ*, p. 119, *lutea* **n. sp.**, Ceylon, pl. B, f. 3, p. 120, CAMERON, Spolia Zeylan. iii.
Ecthromorpha robusta, p. 120, *maculipes*, p. 121, Borneo, CAMERON, J. Straits Asiat. Soc. xliv, **n. spp.**
Elasmognathus **n. g.**, aberrant, p. 405, *cephalotes* **n. sp.**, Manila, p. 406, ASHMEAD, P. U. S. Mus. xxix.
Enicospilus spilonotus, p. 121, *melanocarpus*, *xanthocephalus*, p. 122, *unilineatus*, *dasychiræ*, p. 123, *horsfieldi*, p. 124, Ceylon, CAMERON, Spolia Zeylan. iii; *E. monospilus*, Borneo, CAMERON, p. 38, Tijdschr. Ent. xlviii; *E. nigropectus*, Borneo, CAMERON, p. 123, J. Straits Asiat. Soc. xliv: **n. spp.**
Enytus **n. g.** *Ophionidæ, maculipes* **n. sp.**, California, CAMERON, p. 132, Invert. pacif. i.
Ephonites **n. g.** *Tryphonini, ruficornis* **n. sp.**, Sikkim, CAMERON, p. 77, Zeitschr. Hym. Dipt. v.
Epicremastus **n. g.** *concolor* **n. sp.**, E. Africa, SZÉPLIGETI, p. 51, Gen. ins. fasc. xxxiv.
Epirhyssa tonkinensis, Monts Manson, *fasciata*, p. 16, *biroi*, p. 17, *oceanica*, New Guinea, *tricoloripes*, Costa Rica, p. 18, *amazonica*, Brazil, p. 19, MOCSÁRY, Ann. Mus. Hungar. iii; *E. ornatipes*, Ceylon, CAMERON, p. 132, Spolia Zeylan. iii; *E. spiloptera*, p. 117, *maculiceps*, Borneo, p. 118, CAMERON, J. Straits Asiat. Soc. xliv: **n. spp.**
Epiurus flavipes, Mexico, CAMERON, p. 258, Tr. Amer. ent. Soc. xxx, **n. sp.**
Eremotylus sibiricus, East Siberia, *hungaricus*, Hungary, SZÉPLIGETI, p. 522, Ann. Mus. Hungar. iii, **n. spp.**
Erythrocryptus **n. g.** *Cryptinæ, rufus* **n. sp.**, California, CAMERON, p. 126, Invert. pacif. i.
Erythroischnus **n. g.** *Phœogenini, annulicornis* **n. sp.**, Mexico, CAMERON, p. 252, Tr. Amer. ent. Soc. xxx.

Erythrojoppa nigromaculata, Sikkim, CAMERON, p. 78, Zeitschr. Hym. Dipt. v, **n. sp.**

Erythrotheronia **n. g.** *Pimplinæ*, *flavolineata* **n. sp.**, Ceylon, pl. B, fig. 12, CAMERON, p. 134, Spolia Zeylan. iii.

Ethromorpha ornatipes, pl. B, fig. 8, CAMERON, p. 135, t. c.

Eucremastus **n. g.** p. 50, *brevicornis* **n. sp.**, Spain, p. 51, SZÉPLIGETI, Gen. ins. fasc. xxxiv.

Facydes striolata, Borneo, CAMERON, p. 156, J. Straits Asiat. Soc. xliv, **n. sp.**

Fenenias erythropus, Ceylon, pl. A, fig. 14, p. 112, CAMERON, Spolia Zeylan. iii, **n. sp.**

Friona rufipes, p. 110, pl. B, fig. 1, *bituberculata*, p. 111, Ceylon, CAMERON, t. c.; *F. ruficoxis*, *pleuralis*, Borneo, CAMERON, p. 133, J. Straits Asiat. Soc. xliv : **n. spp.**

Glypta xanthogastra, Nevada, CAMERON, p. 128, Invert. pacif. i, **n. sp.**

Grotea anguina as bee-parasite, GRAENICHER, pp. 43–46, Ent. News Philad. xvi.

Guriya tibialis, Simla, CAMERON, p. 245, Zeitschr. Hym. Dipt. v, **n. sp.**

Habrocryptus graenicheri as bee-parasite, GRAENICHER, p. 46, Ent. News Philad. xvi.

Hadromanus **n. g.** for *lævicoxis* Schmied., SZÉPLIGETI, p. 14, Gen. ins. fasc. xxxiv.

Haliphera fulvipes, Ceylon, CAMERON, p. 101, Spolia Zeylan. iii, **n. sp.**

Halphurnia ornatipes, Sikkim, CAMERON, p. 87, Zeitschr. Hym. Dipt. v, **n. sp.**

Hellwigia intermedia, Croatia, SZÉPLIGETI, p. 518, Ann. Mus. Hungar. iii, **n. sp.**

Hellwigiella **n. g.** *Ophioninæ*, *nigripennis*, *similis* **n. spp.**, Tunis, SZÉPLIGETI, Gen. ins. fasc. xxxiv.

Hemiteles gracilis, DEL GUERCIO, p. 296, cuts, Redia ii.

H. brunnescens, p. 815, *nigrobasalis*, p. 819, *rufizonatus*, p. 824, *carbonarius*, p. 829, *hilarellus*, p. 844, *hellbachi*, p. 851, *magnificus*, p. 861, *insignipennis*, p. 865, *bituberculatus*, p. 867, *flavicornis*, p. 868, *dimidiatipennis*, p. 870, Thuringia, SCHMIEDEKNECHT, Opusc. ent. ii, **n. spp.**

Henicospilus variegatus, Turkestan, SZÉPLIGETI, p. 519, Ann. Mus. Hungar. iii, **n. sp.**

Homoporus niger, p. 422, *reflexus*, p. 423, England, MORLEY, Tr. ent. Soc. London 1905, **n. spp.**

Hoplismenus ceylonicus, Kandy, CAMERON, p. 100, Spolia Zeylan. iii; *H.? leptocerus*, Mexico, CAMERON, p. 251, Tr. Amer. ent. Soc. xxx : **n. spp.**

Ichneumon leppani, p. 226, *schonlandi*, *I.? peringueyi*, p. 227, *lissoaspus*, p. 228, S. Africa, CAMERON, Rec. Albany Mus. i; *Ichn.? johannis*, Cape Colony, CAMERON, p. 245, t. c.; *I.? spilostomus*, Java, CAMERON, p. 33, Tijdschr. Ent. xlviii : **n. spp.**

Idiostoma **n. g.** *Cryptini*, p. 339, *flavipennis* **n. sp.**, Cape G. H., p. 340, CAMERON, Zeitschr. Hym. Dipt. v.

Isotima albicincta, p. 407, *metathoracica*, *albifrons*, p. 408, *cincticornis*, p. 409, Manila, ASHMEAD, P. U. S. Mus. xxix, **n. spp.**

Kriegeria **n. g.** *Xoridini*, *heptazonata* **n. sp.**, Mindanao, ASHMEAD, p. 116, t. c.

Lactolus plagiatus, p. 134, *reticulatus*, *basimacula*, p. 135, *maculiscutis*, p. 136, Borneo, CAMERON, J. Straits Asiat. Soc. xliv, **n. spp.**

Lagenestra violaceipennis, Sikkim, CAMERON, p. 86, Zeitschr. Hym. Dipt. v, **n. sp.**

Lampronota langei, *suerinensis*, Germany, BRAUNS, p. 133, Zeitschr. Hym. Dipt. v; *L. aciculata*, Colorado, CAMERON, p. 129, Invert. pacif. i : **n. spp.**

Lareiga alboannulata, p. 246, *flavomaculata*, p. 247, Simla, CAMERON, Zeitschr. Hym. Dipt. v, **n. sp.**

Leptocryptus montanus, *lacustris*, p. 732, Thuringia, SCHMIEDEKNECHT, Opusc. ent. ii, **n. spp.**

Leptothecus flavomaculatus, Sikkim, CAMERON, p. 142, Zeitschr. Hym. Dipt. v, **n. sp.**

Lienella **n. g.** *Hemitelini*, p. 246, *nigriceps* **n. sp.**, Cape Colony, p. 247, CAMERON, Rec. Albany Mus. i.

Lissonota peringueyi, p. 238, *spilostoma*, p. 239, S. Africa, CAMERON, t. c.; *L. interstitialis*, Cape Colony, CAMERON, p. 251, t. c.; *L. greeni*, Ceylon, CAMERON, p. 142, Spolia Zeylan. iii : **n. spp.**

Lissopimpla rufipes, Ceylon, CAMERON, p. 140, t. c. **n. sp.**

Lissotheronia **n. g.** *Pimplinæ flavipes* **n. sp.**, Ceylon, CAMERON, p. 139, t. c.

Listrocryptus **n. g.** p. 134, *spatulatus* **n. sp.**, Centr. Europe, p. 135, BRAUNS, Zeitschr. Hym. Dipt. v.

Listrognathus mengersseni, Thuringia, p. 565, SCHMIEDEKNECHT, Opusc. ent. ii, **n. sp.**

Limnerium iratum, Grahamstown, CAMERON, p. 309, Rec. Albany Mus. i; *L. garrulum*, Cape Colony, CAMERON, p. 315, t. c.; *L. simlaensis*, N. India, CAMERON, p. 283, Zeitschr. Hym. Dipt. v; *L. taprobanicum*, Ceylon; CAMERON, p. 128, Spolia Zeylan. iii; *L. longicauda*, *leptogaster*, p. 256, *mexicanum*, *aztecum*, *centrale*, p. 257, Mexico, CAMERON, Tr. Amer. ent. Soc. xxx : **n. spp.**

Loiada **n. g.** *Mesostenini*, p. 166, *maculiceps*, Borneo, **n. sp.** p. 167, CAMERON, Ann. Nat. Hist. (7) xvi.

Macrophatnus **n. g.** *Heresiarchini*, *rufipes* **n. sp.**, S. Africa, CAMERON, pp. 232, 306, Rec. Albany Mus. i.

Macrophion **n. g.** *Ophioninæ*, p. 32, *fenestratus*, Brazil, *ornatus*, Costa Rica, **n. spp.** p. 33, SZÉPLIGETI, Gen. ins. fasc. xxxiv.

Matara = (*Cressonianus* Ashm.) belongs to *Listrodromini*, BRÈTHES, p. 335, An. Mus. Buenos Aires (3) iv.

Megarhyssa areolata, Hungary, p. 1, *variegata*, Perak, p. 2, MOCSÁRY, Ann. Mus. Hungar. iii, **n. spp.**

Melanichneumon kandyensis, Ceylon, CAMERON, p. 99, Spolia Zeylan. iii; *M.? javanicus*, Java, CAMERON, p. 34, Tijdschr. Ent. xlviii : **n. spp.**

Melcha cinctipes, *annulipes*, p. 107, *varibalteata*, p. 108, *erythropus*, p. 109, pl. B, fig. 2, *maculiceps*, p. 110, Ceylon, CAMERON, Spolia Zeylan. iii; *M. hyalinis*, *reticulata*, p. 148, *albomaculata*, p. 149, Borneo, CAMERON, J. Straits Asiat. Soc. xliv : **n. spp.**

Mesostenoideus fulvipes, Mexico, CAMERON, p. 253, Tr. Amer. ent. Soc. xxx: *M. bakerianus*, Nicaragua, CAMERON, p. 102, Invert. pacif. i : **n. spp.**

Mesostenus truncatidens, Europe, p. 570, *peregrinus*, Thuringia, p. 572, *hellenicus*, Olympia, p. 575, SCHMIEDEKNECHT, Opusc. ent. ii; *M. leptonotus*, S. Africa, CAMERON, p. 234, Rec. Albany Mus. i; *M. basimacula*, p. 249, *mimeticus*, p. 250, Cape Colony, CAMERON, t. c.; *M. multimaculatus*, p. 139, *maculiscutis*, p. 140, Borneo, CAMERON, J. Straits Asiat. Soc. xliv; *M. leucozonatus*, Manila, ASHMEAD, p. 967, P. U. S. Mus. xxviii; *M. rufus*, Mexico, CAMERON, p. 252, Tr. Amer. ent. Soc. xxx; *M. ihering*, p. 129, *casunungæ*, p. 130, Brazil, BRAUNS, Zeitschr. Hym. Dipt. v : **n. spp.**

Metophion **n. g.** *Ophioninæ*, *bicolor*, *variegatus* **n. spp.**, New Guinea, SZÉPLIGETI, Gen. ins. fasc. xxxiv.

Metopius rufus, N. India, CAMERON, p. 281, Zeitschr. Hym. Dipt. v; *M. browni*, Manila, ASHMEAD, p. 117, P. U. S. Mus. xxix : **n. spp.**

Microcryptus funereus, Carinthia, p. 630, *exquisitus*, p. 632, *brevialatus*, p. 639, *periculosus*, p. 641, *secernendus*, p. 647, *discedens*, p. 648, *unifasciatus*, p. 653, Thuringia, SCHMIEDEKNECHT, Opusc. ent. ii, **n. spp.**

Myermo himalayensis, p. 248, *iridipennis*, p. 278, *femorata*, p. 279, *robusta*, p. 280, *annulipes*, p. 281, N. India, CAMERON, p. 281, Zeitschr. Hym. Dipt. v, **n. sp.**

Neleothymus ? rufo-ornatus, Nicaragua, CAMERON, p. 103, Invert. pacif. i, **n. sp.**

Neotheronia, KRIEGER, p. 286, recharacterises the genus and tabulates the species, the following being new ; *aurata*, *micans*, *enderleini*, p. 289, *mandibularis*, *pilosa*, p. 290, *carinata*, *impressa*, *roraria*, p. 291, *veles*, *cristata*, *fossulata*, *subparallela*, p. 292, *kohli*, *parallela*, *angulata*, p. 293, *buccata*, *excisa*, *occipitalis*, p. 294, *terebratrix*, S. America, *hastata*, Panama, *surinamensis*, *costata*, p. 295, *sarisophora*, *radialis*, *vallata*, p. 296, *obesa*, *tricolor*, p. 297, *amphimelæna*, *tuberculata*, *mesoxantha*, p. 298, *austera*, p. 299, *kriechbaumeri*, *columbiensis*, p. 301, *marginata*, *submarginata*, p. 303, *fumosa*, p. 304, *aurulenta*, South America, *septemtrionalis*, N. Carolina, p. 305, *australis*, *facialis*, p. 306, *oxyodus*, p. 307, *tenuis*, p. 333, *laticeps*, *coæquata*, p. 334, *compta*, p. 337, *transversaria*, p. 338, S. America, KRIEGER, Zeitschr. Hym. Dipt. v, **n. spp.**

Nesomesochorus **n. g.** and subfam. n., p. 967, *oculatus* **n. sp.**, Manila, p. 968, ASHMEAD, P. U. S. Mus. xxviii.

Nothanomalon **n. g.** *Campopleginæ*, *novoguineensis* **n. sp.**, New Guinea, SZÉPLIGETI, p. 39, Gen. ins. fasc. xxxiv.

Nototrachus flavomaculatus, Cape Colony, CAMERON, p. 250, Rec. Albany Mus. i ; *N. reticulatus*, Ceylon, CAMERON, p. 128, Spolia Zeylan. iii : **n. spp.**

Ophiomorpha **n. g.** p. 34, *concolor*, Trop. Africa, *bicolor*, Brazil, **n. spp.**, p. 35, SZÉPLIGETI, Gen. ins. fasc. xxxiv.

Ophion sibiricus, p. 520, *albistylus*, Siberia, *turcomanicus*, Transcaspian, p. 521, SZÉPLIGETI, Ann. Mus. Hungar. iii ; *O. bicarinatus*, Ceylon, CAMERON, p. 120, Spolia Zeylan. iii : **n. spp.**

Ophionidæ, the genera with lists of species, and 2 subfamm. n. *Pharsaliinæ*, *Xiphosominæ*, SZEPLIGETI, Gen. ins. fasc. xxxiv.

Orona **n. g.** *Porizonini*, *petiolaris* **n. sp.**, California, CAMERON, p. 131, Invert. pacif. i.

Oxytænia rufolineata, Mexico, CAMERON, p. 254, Tr. Amer. ent. Soc. xxx, **n. sp.**

Paipila **n. g.** aberrant, p. 258, *longipes* **n. sp.**, Mexico, p. 259, CAMERON, t. c.

Paniscus elegans, Tunis, SZÉPLIGETI, p. 540, Ann. Mus. Hungar. iii ; *P. intermedius*, p. 125, *orientalis*, p. 126, *lævis*, p. 127, Ceylon, CAMERON, Spolia Zeylan. iii : **n. spp.**

Paurophatnus **n. g.** *Hemitelini annulipes* **n. sp.**, S. Africa, CAMERON, p. 342, Zeitschr. Hym. Dipt. v.

Pezomachus silvestrii, Portici, ASHMEAD, p. 142, Canad. Ent. 1905, **n. sp.**

Phalega **n. g.** *Acœnitini*, *lutea* **n. sp.**, Borneo, CAMERON, p. 170, Entomologist 1905.

Phalgea **n. g.** near *Arotes*, p. 130, *lutea* **n. sp.**, Borneo, p. 131, CAMERON, J. Straits Asiat. Soc. xliv.

Pharzites **n. g.** near *Lactolus*, p. 137, *nigritarsis* **n. sp.**, Borneo, p. 138, CAMERON, t. c.

Philopsyche **n. g.** *Pimplinæ*, p. 137, *albobalteata* **n. sp.**, Ceylon, pl. B, fig. 10, p. 138, CAMERON, Spolia Zeylan. iii.

Phobetes bruchii, La Plata, BRÈTHES, p. 21, An. Mus. Buenos Aires (3) iv, **n. sp.**

Phthorimus anomalus, England, MORLEY, p. 420, Tr. ent. Soc. London 1905, **n. sp.**

Phygadeuon serotinus, p. 691, *nubilipennis*, p. 696, *autumnalis*, p. 699, *rufovarius*, p. 700, *bischoffi*, p. 701, *altearcolatus*, p. 704, Thuringia,

tergestinus, Triest, p. 707, *lehmanni*, p. 708, *nobilitatus*, p. 716, *connectens*, p. 721, Thuringia, SCHMIEDEKNECHT, Opusc. ent. ii, **n. spp.**
Pimpla heliophila, Transvaal, CAMERON, p. 343, Zeitschr. Hym. Dipt. v : *P. albipalpis*, p. 237, *brunneiventris*, p. 238, Grahamstown, CAMERON, Rec. Albany Mus. i ; *P. æceticola*, p. 19, *holmbergi*, p. 20, La Plata, BRÈTHES, An. Mus. Buenos Aires (3) iv : **n. spp.**
Plectocryptus mephisto, Germany, p. 597, *antennalis*, p. 598, *hilarulus*, p. 599, Thuringia, SCHMIEDEKNECHT, Opusc. ent. ii, **n. spp.**
Pleuroneurophion erythrocerus, Ceylon, CAMERON, p. 121, Spolia Zeylan. iii, **n. sp.** ; *P. malayanus*, p. 122, Borneo, *grandis*, Himalaya, p. 123, CAMERON, J. Straits Asiat. Soc. xliv, **n. spp.**
Porizon vierecki, characters, COCKERELL, p. 362, Canad. Ent. 1905.
Pristocelus **n. g.** near *Pristomerus*, *atriceps* **n. sp.**, New Guinea, SZÉPLIGETI, p. 48, Gen. ins. fasc. xxxiv.
Pristomeridia ? *microdonta*, Nicaragua, CAMERON, p. 46, Invert. pacif. i, **n. sp.**
Promethus dodsi, England, MORLEY, p. 421, Tr. ent. Soc. London 1905, **n. sp.**
Pseudamblyteles ? *erythropus*, S. Africa, CAMERON, p. 230, Rec. Albany Mus. i, **n. sp.**
Pseudanomalon **n. g.** p. 33, *gracilis* **n. sp.**, New Guinea, p. 34, SZÉPLIGETI, Gen. ins. fasc. xxxiv.
Pseudocremastus **n. g.** near *Cremastus*, *radialis* **n. sp.**, Hungary, SZÉPLIGETI, p. 50, t. c.
Pyramirhyssa **n. g.** near *Rhyssa*, *magnifica* **n. sp.**, Brazil, MOCSÁRY, p. 15, Ann. Mus. Hungar. iii.
Rhorus spinipes, Ceylon, CAMERON, p. 132, Spolia Zeylan. iii, **n. sp.**
Rhynchocryptus **n. g.** p. 338, *violaceipennis*, p. 339, **n. sp.**, Cape G. H., CAMERON, Zeitschr. Hym. Dipt. v.
Rhyssa hungarica, Budapest, p. 5, *mesopyrrha*, Java, p. 6, MOCSÁRY, Ann. Mus. Hungar. iii, **n. spp.**
Scopesis flavolineatus, Mexico, CAMERON, p. 254, Tr. Amer. ent. Soc. xxx, **n. sp.**
Silsila apicimaculata, Borneo, CAMERON, p. 131, J. Straits Asiat. Soc. xliv, **n. sp.**
Siphimedia iridicolor, Kuching, CAMERON, p. 130, t. c. **n. sp.**
Skeatia acutilineata, pl. A, fig. 12, p. 113, *cyclosiæ*, p. 114, *panthonæ*, p. 115, Ceylon, CAMERON, Spolia Zeylan. iii ; *S. balteata*, Singapore, CAMERON, p. 143, J. Straits Asiat. Soc. xliv ; *S. javanica*, Java, CAMERON, p. 35, Tijdschr. Ent. xlviii : **n. spp.**
Spanophatnus **n. g.** near *Platylabris*, p. 230, *ruficeps* **n. sp.**, Grahamstown, p. 231, CAMERON, Rec. Albany Mus. i.
Spilichneumon darjeelingensis, Sikkim, CAMERON, p. 87, Zeitschr. Hym. Dipt. v ; *S. annulicornis*, p. 85, *coxalis*, p. 105, Simla, CAMERON, Entomologist 1905 : **n. spp.**
Spilophion **n. g.** *Ophioninæ*, p. 124, *maculipennis* **n. sp.**, Ceylon, pl. B, fig. 13, p. 125, CAMERON, Spolia Zeylan. iii.
Spiloxorides erythrocephalus, Borneo, CAMERON, p. 166, Ann. Nat. Hist. (7) xvi ; *S. erythrocephalus*, Borneo, CAMERON, p. 126, J. Straits Asiat. Soc. xliv : **n. sp.**
Stenichneumon ? *æthiopicus*, S. Africa, CAMERON, p. 229, Rec. Albany Mus. i, **n. sp.**
Stenophthalmus **n. g.** *Ophioninæ*, p. 23, *algiricus*, Algeria, *sibiricus*, Siberia, **n. spp.**, p. 24, SZÉPLIGETI, Gen. ins. fasc. xxxiv.
Stiboscopus thuringiacus, Germany, p. 606, SCHMIEDEKNECHT, Opusc. ent. ii, **n. sp.**
Stictichneumon **n. g.** *Ichneumoninæ*, p. 105, *macariæ* **n. sp.**, Ceylon, p. 106, CAMERON, Spolia Zeylan. iii.

Stilbops limneriæformis ♂, PFANKUCH, p. 141, Abh. Ver. Bremen xviii.
Strepsimallus bicintus, Manila, ASHMEAD, p. 115, P. U. S. Mus. xxix, **n. sp.**
Stylocryptus tyrolensis, Innsbruck, p. 662, *coxalis*, Thuringia, p. 663, SCHMIEDEKNECHT, Opusc. ent. ii, **n. spp.**
Suvalta spinifrons, Sikkim, CAMERON, p. 143, Zeitschr. Hym. Dipt. v, **n. sp.**
Tanera **n. g.** *Pimplinæ*, *annulipes* **n. sp.**, Ceylon, CAMERON, p. 141, Spolia Zeylan. iii.
Tanyphatnus **n. g.** *Ichneumoninæ*, p. 104, *multimaculatus* **n. sp.**, Ceylon, p. 105, CAMERON, t. c.
Temelucha rugosa, Budapest, SZÉPLIGETI, p. 582, Ann. Mus. Hungar. iii, **n. sp.**
Theronia maskeliyæ, Ceylon, CAMERON, p. 133, Spolia Zeylan. iii, **n. sp.**
Trichionotus **n. g.** *Ophionini*, *reticulatus* **n. sp.**, Borneo, CAMERON, p. 168, Ann. Nat. Hist. (7) xvi.
Trichomma nigricans, Ceylon, CAMERON, p. 131, Spolia Zeylan. iii, **n. sp.**
Trichonotus **n. g.** *Ophioninæ*, *reticulatus* **n. sp.**, Borneo, CAMERON, p. 124, J. Straits Asiat. Soc. xliv.
Triptognathus, table of species, *T. uniguttatus*, table of varr., BERTHOUMIEU, pp. 123–126, 131–133, Echange xxi.
Urogaster opacus, *albinervis*, Manila, ASHMEAD, p. 118, P. U. S. Mus. xxix, **n. spp.**
Vagenatha armata, Borneo, CAMERON, p. 144, J. Straits Asiat. Soc. xliv, **n. sp.**
Xanthopimpla taprobanica, p. 135, *kandyensis*, *parva*, p. 136, *minuta*, p. 137, Ceylon, CAMERON, Spolia Zeylan. iii ; *X. kuchingensis*, *claripennis*, Sarawak, CAMERON, p. 119, J. Straits Asiat. Soc. xliv ; *X. maculiceps*, Java, CAMERON, p. 37, Tijdschr. Ent. xlviii ; *X. kriegeri*, Manila, ASHMEAD, p. 411, P. U. S. Mus. xxix : **n. spp.**
Xiphosomella **n. g.** *brasiliensis* **n. sp.**, Coary, SZÉPLIGETI, p. 4, Gen. ins. fasc. xxxiv.
Zonocryptus fumipennis, Grahamstown, CAMERON, p. 307, Rec. Albany Mus. i, **n. sp.**

BRACONIDÆ (incl. ALYSIIDÆ).

[Cf. ASHMEAD (31–34), BRÈTHES (188), CAMERON (240, 242, 249, 250, 251, 258, 261, 263, 265, 267, 269, 270, 272), ENDERLEIN (498, 499, 510), KIEFFER (842), NORDENSTRÖM (1109), SZÉPLIGETI (1466, 1468, 1469).]

Palæarctic *Braconidæ*, tables, SZÉPLIGETI (1469).

Aclisis pleuralis, Manila, ASHMEAD, p. 6, Canad. Ent. 1905, **n. sp.**
Agathiella tricolor, *ruficeps*, p. 52, *minor*, p. 53, Sydney, SZÉPLIGETI, Ann. Mus. Hungar. iii, **n. spp.**
Agathis kandyensis, p. 77, *oya*, *ceylonicus*, p. 78, Ceylon, CAMERON, Spolia Zeylan. iii ; *A. malayana*, Singapore, CAMERON, p. 112, J. Straits Asiat. Soc. xliv ; *A. tricarinata*, p. 385, *trailii*, Amazons, *erythrogastra*, Mexico, p. 386, CAMERON, Tr. Amer. ent. Soc. xxxi, **n. spp.**
Apanteles biroi, N. S. Wales, *singaporensis*, p. 49, Singapore, *novoguineensis*, New Guinea, p. 50, SZÉPLIGETI, Ann. Mus. Hungar. iii, **n. spp.**
Ascogaster tricolor, p. 46, *australiensis*, *palpalis*, *tegularis*, *caudata*, p. 47, Australia, *novo-guineensis*, p. 48, New Guinea, SZÉPLIGETI, t. c. **n. spp.**
Atanycolus tomentosus, Queensland, SZÉPLIGETI, p. 25, t. c. **n. sp.**
Atoreutes brevicaudis, Sydney, SZÉPLIGETI, t. c. **n. sp.**
Batotheca **n. g.** p. 227, *dohrniana* **n. sp.**, Sumatra, p. 228, and incl. 3 spp. *Spinaria*, ENDERLEIN, Stettin Ent. Zeit. lxvi.

Beognatha incompleta, Singapore, SZÉPLIGETI, Ann. Mus. Hungar. iii, **n. sp.**

Biosteres longicaudatus, Manila, ASHMEAD, p. 970, P. U. S. Mus. xxviii.

Blacus pulcher, Singapore, SZÉPLIGETI, p. 53, Ann. Mus. Hungar. iii, **n. sp.**

Bracon daphnephilæ, *cecidobius*, Bengal, KIEFFER, p. 185, Ann. Soc. Bruxelles xxix ; *B. singaporensis*, Singapore, p. 37, *australiensis*, *bimaculatus*, p. 38, Australia, *transiens*, New Guinea, p. 39, SZÉPLIGETI, Ann. Mus. Hungar. iii ; *B. vau*, Manila, ASHMEAD, p. 971, P. U. S. Mus. xxviii ; *B. alguei*, Manila, ASHMEAD, p. 119, op. cit. xxix ; *B. managuæ*, *chinandegaensis*, p. 46, *nicaraguaensis*, *bakeri*, p. 47, Nicaragua, *caroli*, *longicaudis*, p. 48, Guatemala, CAMERON, Invert. pacif. i : **n. spp.**

Braunsia antennalis, Sierra Leone, SZÉPLIGETI, p. 52, Ann. Mus. Hungar. iii ; *B. similis*, Cameroons, SZÉPLIGETI, p. 11, Arkiv Zool. ii, No. 14 : **n. spp.**

Brownius **n. g.** *Eurobraconini*, p. 7, *armatus* **n. sp.**, Manila, p. 8, including also pt. of *Spinaria*, ASHMEAD, Canad. Ent. 1905.

Cardiochiles philippensis, Manila, ASHMEAD, p. 118, P. U. S. Mus. xxix, **n. sp.**

Cendebeus **n. g.** *Exothecini*, p. 105, *filicornis* **n. sp.**, Sarawak, p. 106, CAMERON, J. Straits Asiat. Soc. xliv.

Cenostomus trichiosomus, Mexico, CAMERON, p. 387, Tr. Amer. ent. Soc. xxxi, **n. sp.**

Chaolta ruficeps, p. 101, *lutea*, p. 202, Borneo, CAMERON, J. Straits Asiat. Soc. xliv ; *C. tuberculata*, p. 40, *crassicauda*, p. 41, Borneo, CAMERON, Tijdschr. Ent. xlviii ; *C. trituberculata*, p. 49, *sulcata*, *maculifrons*, p. 50, Sarawak, CAMERON, J. Straits Asiat. Soc. xlii : **n. spp.**

Chelonus tricoloratus, Trincomalee, CAMERON, p. 79, Spolia Zeylan. iii ; *C. albicinctus*, Manila, ASHMEAD, p. 968, P. U. S. Mus. xxviii ; *C. similis*, p. 44, *unimaculatus*, *coriaceus*, p. 45, *australiensis*, p. 46, N. S. Wales, SZÉPLIGETI, Ann. Mus. Hungar. iii ; *C. clavinervis*, Mexico, CAMERON, p. 261, Tr. Amer. ent. Soc. xxx ; *C. immaculatus*, *centralis*, Nicaragua, CAMERON, p. 49, Invert. pacif. i : **n. spp.**

Cratospila longicornis, Singapore, SZÉPLIGETI, p. 55, Ann. Mus. Hungar. iii, **n. sp.**

Cremnops pulchripennis, Cameroons, SZÉPLIGETI, p. 10, Arkiv Zool. ii, No. 14; *C. bispinosa*, Singapore, *africana*, Cameroons, SZÉPLIGETI, Ann. Mus. Hungar. iii : **n. spp.**

Diospilus ruficeps, N. S. Wales, SZÉPLIGETI, t. c. **n. sp.**

Disophrys ornatipennis, p. 112, *niger*, p. 113, *fumipennis*, p. 114, Borneo, CAMERON, J. Straits Asiat. Soc. xliv, **n. spp.**

Edyia **n. g.** near *Euscelinus*, p. 159, *annulicornis* **n. sp.**, Borneo, p. 160, CAMERON, Ann. Nat. Hist. (7) xvi ; *Ediya* **n. g.** p. 108, *annulicornis* **n. sp.**, Sarawak, p. 109, CAMERON, J. Straits Asiat. Soc. xliv.

Enagathis erythrocephala, p. 110, *creophora*, p. 111, Borneo, CAMERON, t. c. **n. spp.**

Ernestiella **n. g.** *Cardiochilinæ*, *nigromaculata* **n. sp.**, Ceylon, CAMERON, p. 81, Spolia Zeylan. iii.

Euagatis albotarsus, Cameroons, SZÉPLIGETI, p. 10, Arkiv Zool. ii, No. 14, **n. sp.**

Euphoriella testaceipes, Mexico, CAMERON, p. 261, Tr. Amer. ent. Soc. xxx, **n. sp.**

Fornicia annulipes, Manila, ASHMEAD, p. 7, Canad. Ent. 1905, **n. sp.**

Forsteria ? ruficollis, Nicaragua, CAMERON, p. 48, Invert. pacif. i, **n. sp.**

Gastrotheca capra, Mombasa, p. 234, *capensis*, S. Africa, p. 235, *sumatrana*, Sumatra, p. 236, ENDERLEIN, Stettin Ent. Zeit. lxvi, **n. spp.**

Goniarcha malayensis, Manila, ASHMEAD, p. 411, P. U. S. Mus. xxix, **n. sp.**

Habnoba **n. g.** *Spathiinæ*, *petiolata* **n. sp.**, Sarawak, CAMERON, p. 108, J. Straits Asiat. Soc. xliv.

Hecabolus rubrocinctus, Manila, ASHMEAD, p. 8, Canad. Ent. 1905, **n. sp.**

Hemiglyptus **n. g.** near *Glyptomorpha*, p. 412, *flavus* **n. sp.**, Manila, p. 413, ASHMEAD, P. U. S. Mus. xxix.

Holcalysia **n. g.** near *Phænocarpa*, p. 268, *testaceipes* **n. sp.**, Cape Colony, p. 269, CAMERON, Entomologist 1905.

Holcapanteles **n. g.** near *Urogaster*, p. 43, *sulciscutis* **n. sp.**, Java, p. 44, CAMERON, Tijdschr. Ent. xlviii.

Holcobracon **n. g.** p. 89, *fulvus* **n. sp.**, p. 90, pl. A, fig. 6, Ceylon, CAMERON, Spolia Zeylan. iii.

Homiopterus pacificus, Manila, ASHMEAD, p. 412, P. U. S. Mus. xxix, **n. sp.**

Iphiaulax clypeolus n. n. for *apricans* Szépl. (Ann. Mus. Hungar. ii, p. 181), SZÉPLIGETI, p. 26, Ann. Mus. Hungar. iii.

I. longiseta, p. 3, *consultus*, p. 5, *cristatulus*, p. 6, *deliberator*, p. 7, *posessor*, *annulicornis*, *annelatus*, p. 8, Cameroons, SZÉPLIGETI, Arkiv Zool. ii, No. 14; *I. trimeni*, p. 240, *spilopus*, *I.* ? *platynotus*, p. 241, S. Africa, CAMERON, Rec. Albany Mus. i; *I. ornaticollis*, Grahamstown, CAMERON, p. 252, t. c.; *I. elizeus*, *smenus*, Deesa, CAMERON, p. 107, Entomologist 1905; *I. xanthopsis*, p. 82, *fulvopilosus*, *greeni*, p. 83, *ernesti*, p. 84, *erythroura*, p. 85, pl. A, fig. 7, *haragamensis*, p. 86, Ceylon, CAMERON, Spolia Zeylan. iii; *I. lateritius*, Palembang, CAMERON, p. 39, Tijdschr. Ent. xlviii; *I. megapterus*, p. 23, *spilostigmus*, p. 24, *minos*, p. 25, *soranus*, p. 26, *ezerias*, p. 27, *cyrenius*, p. 28, *zaraces*, p. 29, *thespis*, p. 30, *amyris*, p. 31, *sibanensis*, *cilles*, p. 32, *tenuilineatus*, p. 33, *paternus*, p. 34, *smenus*, p. 35, *pheres*, p. 36, *æneus* (see op. cit. xliv, p. 229), p. 37, *mobilis*, p. 38, *longitarsis*, p. 39, *nitidiusculus*, p. 40 and xliv, p. 229, *pangæus*, p. 41, *monticola*, p. 42, *quæsitorius*, p. 43, *trichiothecus*, p. 44, *abgarus*, *tristator*, p. 45, *pampatensis*, p. 46, *leptogaster*, p. 47, *ornaticornis*, p. 48, Sarawak, CAMERON, J. Straits Asiat. Soc. xlii; *I. longiseta*, *bifasciatus*, p. 28, *bisignatus*, *camerunensis*, *afer*, p. 29, *pulchricaudis*, *cristatus*, p. 30, *scoparius*, *speciosissimus*, *trifasciatus*, p. 31, *perspicax*, *longicornis*, p. 32, *australiensis*, *semirufus*, *ruficeps*, p. 33, *crenulatus*, p. 34, *micans*, *bipartitus*, p. 35, Australia, *palpalis*, New Guinea, p. 34, *genalis*, Bismarck Arch., *pretiosus*, Australia, p. 36, SZÉPLIGETI, Ann. Mus. Hungar. iii; *I. mamivaeensis*, p. 380, *jutahaeensis*, p. 381, *trailii*, *schrottkyii*, *javaryensis*, p. 382, *harperi*, *watertoni*, p. 383, S. America, *mathewi*, *occidentalis*, p. 384, Mexico, CAMERON, Tr. Amer. ent. Soc. xxxi; *I. tornowii*, Tucumán, BRÈTHES, p. 334, An. Mus. Buenos Aires (3) iv : **n. spp.**

Kareba **n. g.** *flavipes*, Mexico, p. 50, *testacea*, Guatemala, p. 51, **n. spp.**, CAMERON, Invert. pacif. i.

Lathrolestus dilatatus (Thoms. in coll.), Sweden, NORDENSTRÖM, p. 207, Ent. Tidskr. xxvi, **n. sp.**

Lissobracon **n. g.** *Braconinæ*, *forticornis* **n. sp.**, Sarawak, CAMERON, p. 103, J. Straits Asiat. Soc. xliv.

Mesostoma **n. g.** p. 42, *testaceipes* **n. sp.**, Java, p. 43, CAMERON, Tijdschr. Ent. xlviii.

Meteorus trilineatus, Grahamstown, CAMERON, p. 342, Rec. Albany Mus. i; *M. brownii*, Manila, ASHMEAD, p. 968, P. U. S. Mus. xxviii; *M. bicolor*, N. S. Wales, SZÉPLIGETI, p. 53, Ann. Mus. Hungar iii : **n. spp.**

Microbracon luteiceps, Manila, ASHMEAD, p. 412, P. U. S. Mus. xxix, **n. sp.**

Microdus greeni, Ceylon, CAMERON, p. 79, Spolia Zeylan. iii; *M. matangensis*, Matang, CAMERON, p. 115, J. Straits Asiat. Soc. xliv; *M. pedunculatus*, N. S. Wales, SZÉPLIGETI, p. 51, Ann. Mus. Hungar. iii; *M. trochanteratus*, Nicaragua, Cameron, p. 50, Invert. pacif. i : **n. spp.**

Microgaster petiolaris, p. 48, *tegularis*, p. 49, N. S. Wales, SZÉPLIGETI, Ann.

Mus. Hungar. iii; *M. carinicollis*, Ceylon, CAMERON, p. 81, Spolia Zeylan. iii.

Microplitis philippinensis, habits, BROWN, p. 357, Canad. Ent. 1905.

Mimagathis **n. g.** *Mimagathidinæ* subfam. n., *ashmeadi*, p. 450, *peruana*, *iuka*, p. 451, **n. spp.**, S. America, ENDERLEIN, Zool. Anz. xxviii.

Neotrimorus? *luteus*, Borneo, CAMERON, p. 161, Ann. Nat. Hist. (7) xvi, **n. sp.**

Opius albimanus, N. S. Wales, SZÉPLIGETI, p. 54, Ann. Mus. Hungar. iii; *O. forticornis*, *iridipennis*, Nicaragua, CAMERON, p. 51, Invert. pacif. i: **n. spp.**

Paraspinaria **n. g.** *Rhogadinæ pilosa* **n. sp.**, Ceylon, CAMERON, p. 88, pl. A, fig. 9, Spolia Zeylan. iii.

Phænocarpa? *testaceipes*, Cape G. H., CAMERON, p. 343, Zeitschr. Hym. Dipt. v, **n. sp.**

Phanerotoma hendecasisella, Ceylon, CAMERON, p. 80, Spolia Zeylan. iii; *P. albiscapa*, Manila, ASHMEAD, p. 969, P. U. S. Mus. xviii; *P. nigroscutis*, Nicaragua, CAMERON, p. 49, Invert. pacif. i: **n. spp.**

Philomacroplœa **n. g.** *Braconinæ*, *basimacula* **n. sp.**, Ceylon, CAMERON, p. 88, Spolia Zeylan. iii.

Plaxopsis **n. g.** *Braconinæ*, *sjostedti* **n. sp.**, Cameroons, SZÉPLIGETI, p. 1, Arkiv Zool. ii, No. 14.

Pseudapanteles agilis, Manila, ASHMEAD, p. 969, P. U. S. Mus. xxviii, **n. sp.**

Pseudospinaria **n. g.** for *Spin. attenuata* Westw., ENDERLEIN, p. 229, Stettin Ent. Zeit. lxvi.

Rhacospathius **n. g.** near *Spathius*, *striolatus* **n. sp.**, Ceylon, CAMERON, p. 86, Spolia Zeylan. iii.

Rhamnura **n. g.** near *Iphiaulax*, *filicauda*, p. 195, *crinicauda*, *capillicauda*, p. 196, *seticauda*, p. 197, *tenuicornis*, p. 198, **n. spp.**, W. Africa, ENDERLEIN, Zool. Anz. xxiv.

Rhogas capensis, S. Africa, CAMERON, p. 243, Rec. Albany Mus. i; *R. melanosoma*, Manila, ASHMEAD, p. 970, P. U. S. Mus. xxviii; *R. oculator*, Celebes, SZÉPLIGETI, p. 43, Ann. Mus. Hungar. iii; *R. aztecus*, Mexico, CAMERON, p. 385, Tr. Amer. ent. Soc. xxxi: **n. spp.**

Rhyssalus unicolor, Manila, ASHMEAD, p. 970, P. U. S. Mus. xxviii, **n. sp.**

Rhyssosigalphus **n. g.** *Sigalphinæ*, *R. rugosus* **n. sp.**, Mexico, CAMERON, p. 260, Tr. Amer. ent. Soc. xxx.

Sigalphus tripartitus, Sydney, SZÉPLIGETI, p. 43, Ann. Mus. Hungar. iii, **n. sp.**

Spathius fuscipennis, Manila, ASHMEAD, p. 119, P. U. S. Mus. xxix; *S. antennalis*, p. 40, *albiventris*, *variipes*, p. 41, *fulvus*, p. 42, New Guinea, SZÉPLIGETI, Ann. Mus. Hungar. iii: **n. spp.**

Spinaria curvispina varr. n. *nigricanda*, *udei*, ENDERLEIN, p. 232, Stettin Ent. Zeit. lxvi.

S. philippinensis, p. 230, *luzonensis*, p. 231, Philippines, ENDERLEIN, t. c. **n. spp.**

Stantonia conspurcata, Siam, p. 453, *kriegeri*, Columbia, p. 454, ENDERLEIN, Zool. Anz. xxviii, **n. spp.**

Trichiobracon **n. g.** near *Spinaria*, p. 104, *pilosus* **n. sp.**, Borneo, p. 105, CAMERON, J. Straits Asiat. Soc. xliv; *T.*, characters of Bornean, CAMERON, p. 161, Ann. Nat. Hist. (7) xvi.

Tropobracon **n. g.** *luteus* **n. sp.**, Ceylon, CAMERON, p. 91, Spolia Zeylan. iii.

Troporhogas **n. g.** p. 92, *spilonotus*, *albipes*, p. 93, *maculipennis*, pl. A, fig. 5, *tricolor*, pl. A, fig. 8, p. 94, *ruficeps*, *lateralis*, p. 95, *trimaculata*, p. 96, **n. spp.**, Ceylon, CAMERON, t. c.

Urogaster albinervis, Mexico, CAMERON, p. 261, Tr. Amer. ent. Soc. xxx, **n. sp.**

EVANIIDÆ and ROPRONIIDÆ.

[Cf. BRADLEY (166, 169), CAMERON (240, 247, 261, 267, 270), ENDERLEIN (502), KIEFFER (847).]

Classification and table of genera, ENDERLEIN, pp. 699, 700, Zool. Anz. xxviii.

Genera of *Evaniidæ*, BRADLEY, p. 26, Zeitschr. Hym. Dipt. v.

Corrections orthographical and taxonomic, BRADLEY, pp. 63, 64, Canad. Ent. 1905.

Brachygaster magnus, p. 712, *reticulifer*, *fraternus*, p. 713, Peru, ENDERLEIN, Zool. Anz. xxviii, **n. spp.**

Deraidontus violaceus, Washington, BRADLEY, p. 26, Zeitschr. Hym. Dipt. v, **n. sp.**

Evania alboannulata ♂, p. 708, var. n. *tricarinulata*, p. 709, *orientalis* ♂, p. 709, ENDERLEIN, Zool. Anz. xxviii.

E. schonlandi, S. Africa, CAMERON, p. 243, Rec. Albany Mus. i ; *E. interstitialis*, p. 74, *peradeniyæ*, p. 75, Ceylon, CAMERON, Spolia Zeylan. iii ; *E. nyassica*, E. Africa, p. 702, *kriegeriana*, Borneo, p. 703, *solox*, Burma, p. 704, *sumatrensis*, p. 706, *micholitzi*, p. 707, Sumatra, *miniacea*, Peru, p. 710, ENDERLEIN, Zool. Anz. xxviii ; *E. rubra*, Borneo, CAMERON, p. 100, J. Straits Asiat. Soc. xliv : **n. spp.**

Evaniella **n. g.** type *unicolor* Say, BRADLEY, p. 64, Canad. Ent. 1905.

Evaniellus **n. g.** pp. 701 & 714, *peruanus*, p. 714, *gracilis*, Peru, *chalcidipennis*, Bolivia, p. 715, ENDERLEIN, Zool. Anz. xxviii, **n. spp.**

Evaniscus rufithorax, Peru, ENDERLEIN, p. 711, t. c. **n. sp.**

Gasteruption. lissocephalus, Cape Colony, CAMERON, p. 227, Entomologist 1905 ; *G. tricoloratum*, p. 76, *ceylonicum*, p. 77, Ceylon, CAMERON, Spolia Zeylan. iii ; *G. rufo-maculatum*, Borneo, CAMERON, p. 99, J. Straits Asiat. Soc. xliv ; *G. nevadense*, Nevada, *pyrrhosternum*, p. 41, *rubrofasciatum*, p. 42, California, KIEFFER, Invert. pacif. i : **n. spp.**

Pristaulacus erythrocephalus, Borneo, CAMERON, p. 159, Ann. Nat. Hist. (7) xvi ; *P. erythrocephalus*, Borneo, CAMERON, p. 98, J. Straits Asiat. Soc. xliv : **n. spp.**

Pseudevania **n. g.**, type *E. marginata*, BRADLEY, p. 64, Canad. Ent. 1905.

Ropronia, a distinct family *Roproniidæ*, BRADLEY, p. 16, Ent. News Philad. xvi.

R. ashmeadi, New York, id. p. 17, t. c. **n. sp.**

Semæodogaster **n. n.** for *Brachygaster* Steph., BRADLEY, p. 63, Canad. Ent. 1905.

STEPHANIDÆ and MEGALYRIDÆ.

Stephanidæ, Genera and classification, ENDERLEIN, pp. 473–477, Zool. Anz. xxviii.

Diastephanus **n. g.** *szepligetii* **n. sp.**, Sierra Leone, ENDERLEIN, p. 476, Zool. Anz. xxviii.

Stephanus rufo-ornatus, Queensland, CAMERON, p. 45, Tijdschr. Ent. xlviii, **n. sp.**

Megalyra erythropus, Queensland, CAMERON, p. 46, t. c. ; *M. szepligetii*, S. Australia, BRADLEY, p. 396, Tr. ent. Soc. London 1905 : **n. spp.**

Parastephanus **n. g.** for *macrurus* Schletter. etc., ENDERLEIN, p. 475, Zool. Anz. xxviii.

TRIGONALIDÆ.

[Cf. ENDERLEIN (511), SCHULZ (1359).]

Classification of *Trigonalidæ*, with 3 subfamilies, SCHULZ, pp. 102–104, Hymen. Studien.

Discenea **n. g.** for *Trigonalys natalensis*, ENDERLEIN, p. 199, Zool. Anz. xxix.
Liaba cisandina, Brazil, SCHULZ, p. 93, Hymen. Studien. **n. sp.**
Orthogonalys **n. g.** p. 76, *boliviana* **n. sp.**, Bolivia, p. 81, SCHULZ, t. c.
Platygonalys **n. g.** p. 86, *phylogenetica* **n. sp.**, Bolivia, p. 61, SCHULZ, t. c.
Trigonalys hahni, localities, distribution, and characters, SCHULZ, pp. 70–76, t. c.; *T. hahni* var. n. *phæognatha*, ENDERLEIN, p. 200, Zool. Anz. xxix.

CHALCIDIDÆ.

[Cf. ASHMEAD (31, 33, 34), BRÈTHES (187), CAMERON (254, 255, 257, 259, 262, 264, 268, 269, 270), DE STEFANI PEREZ (406, 407), FROGGATT (612), GIRAULT (663), KIEFFER (846), KÜNCKEL (905), MARCHAL (1006), MAYR (1017), MEUNIER (1036, 1040), SILVESTRI (1393), WEBSTER (1593).]

Parasites from Cecidomyiid galls, DE STEFANI PEREZ, Marcellia iv, pp. 113, 114.
Development of *Litomastix truncatellus*, history of polar bodies, two forms of larvæ, SILVESTRI, Rend. Acc. Lincei xiv, ii, pp. 534–542.
Summary of Marchal's account, of last year, of *Encyrtus fuscicollis*, CLÈVES, pp. 161–164, cuts, Naturaliste 1905.

Antrocephalus maculipennis, *rufipes*, Borneo, CAMERON, p. 95, J. Straits Asiat. Soc. xliv, **n. spp.**
Aphycus albiclavatus, Manila, ASHMEAD, p. 404, P. U. S. Mus. xxix, **n. sp.**
Apterencyrtus **n. g.** *Mirini*, *pulchricornis* **n. sp.**, Manila, ASHMEAD, p. 5, Canad. Ent. 1905.
Asparagobius **n. g.** *Perilampides*, p. 549, *braunsi* **n. sp.**, S. Africa, p. 553, pl. ii, fig. 1, MAYR, Verh. Ges. Wien 1905.
Brasema ruficollis, California, CAMERON, p. 125, Invert. pacif. i; *B. maculipennis*, *maculicornis*, Centr. America, CAMERON, p. 65, t. c. : **n. spp.**
Cœnacis grandiclava, host, FRIEDRICHS, p, 494, Zeitschr. Insbiol. i.
Centrochalcis **n. g.** *octodentata* **n. sp.**, Transvaal, CAMERON, p. 230, Zeitschr. Hym. Dipt. v.
Chalcis spilopus, *rotundata*, S. Africa, CAMERON, p. 231, t. c.; *C. capensis*, p. 311, *pymi*, p. 312, S. Africa, CAMERON, Rec. Albany Mus. i.; *C. bilobata*, p. 283, *marginata*, p. 284, India, CAMERON, Zeitschr. Hym. Dipt. v; *C. borneanus*, Borneo, CAMERON, p. 52, J. Straits Asiat. Soc. xlii; *C. banksi*, Manila, ASHMEAD, p. 964, P. U. S. Mus. xxviii: **n. spp.**
Cœlocyba viridilineata, Australia, FROGGATT, p. 223, Agric. Gaz. N. S. W. xvi, **n. sp.**
Decatoma, tabulation of species, and notices of host-galls, MAYR, pp. 530–549, Verh. Ges. Wien 1905.
D. plagiotrochi, Montpellier, p. 535, *scorzoneræ*, Vienna, p. 540, MAYR, t. c. **n. spp.**
Dirhinus auratus, Manila, ASHMEAD, p. 402, P. U. S. Mus. xxix, **n. sp.**
Eudecatoma fulva, Nicaragua, CAMERON, p. 62, Invert. pacif. i, **n. sp.**
Eupelmus tenuicornis, p. 192, *carinatus*, p. 194, Bengal, KIEFFER, Ann. Soc. Bruxelles xxix, **n. spp.**
Eurycranium saissetiæ, Manila, ASHMEAD, p. 405, P. U. S. Mus. xxix, **n. sp.**
Eurytoma striatula, Cape Colony, CAMERON, p. 345, Zeitschr. Hym.

Dipt. v; *E. banksi*, *albotibialis*, Manila, ASHMEAD, p. 965, P. U. S. Mus. xxviii; *E. sulcata*, Bengal, KIEFFER, p. 192, Ann. Soc. Bruxelles xxix; *E. erythroaspis*, p. 62, *xanthopus*, *pilicornis*, p. 63, Centr. America, CAMERON, Invert. pacif. i: **n. spp.**

Exxysoma testaceitarsis, Cape Colony, CAMERON, p. 344, Zeitschr. Hym. Dipt. v, **n. sp.**

Hyperteles longicauda, Bengal, KIEFFER, p. 195, Ann. Soc. Bruxelles xxix, **n. spp.**

Hockeria melanaria, Grahamstown, CAMERON, p. 314, Rec. Albany Mus. i, **n. sp.**

Holceupelmus **n. g.** near *Brasema*, p. 316, *bifasciatus* **n. sp.**, Cape Colony, p. 317, CAMERON, t. c.

Howardiella tarsata, Manila, ASHMEAD, p. 403, P. U. S. Mus. xxix, **n. sp.**

Isosoma; in timothy, and parasite, WEBSTER, pp. 114–116, P. ent. Soc. Washington vii.

Lirata iridicolor, p. 60, *fulvicornis*, *sulcifacies*, *nigriventris*, p. 61, Nicaragua, CAMERON, Invert. pacif. i, **n. spp.**

Macreupelmus pulchriceps, Nicaragua, CAMERON, t. c. **n. sp.**

Megacolus fulvipennis, p. 96, *rufitarsis*, *striolatus*, p. 97, Sarawak, CAMERON, J. Straits Asiat. Soc. xliv, **n. spp.**

Megastigmus immaculatus, Manila, ASHMEAD, p. 401, P. U. S. Mus. xxix; *M. brachychitoni*, Australia, FROGGATT, p. 233, fig. 4, Agric. Gaz. N. S. W. xvi: *M. fulvus*, Nicaragua, CAMERON, p. 58, Invert. pacif. i: **n. spp.**

Mesidia minuta, Zanzibar copal, MEUNIER, p. 214, Rev. Sci. Bourbonnais 1905, **n. sp.**

Microcætus **n. g.** *formidolosus* **n. sp.**, Madagascar in copal, MEUNIER, p. 93, Miscell. ent. xiii.

Monodontomerus phormio, the parasitic habits, KÜNCKEL, p. 227, Bull. Mus. Paris 1905.

Nesolynx **n. g.** *Elachertini*, *flavipes* **n. sp.**, Manila, ASHMEAD, p. 966, P. U. S. Mus. xxviii; *N. flavipes*, habits, BROWN, p. 358, Canad. Ent. 1905.

Oencyrtus papilionis, Philippines, ASHMEAD, p. 4, Canad. Ent. 1905, **n. sp.**; *O. papilionis*, habits, BROWN, p. 359, t. c.

Oncochalcis deesensis, India, CAMERON, p. 285, Zeitschr. Hym. Dipt. v, **n. sp.**

Ormocerus pallidipes, Manila, ASHMEAD, p. 402, P. U. S. Mus. xxix, **n. sp.**

Paracentrobia flavipes, N. America, from eggs of *Anthonomus*, GIRAULT, p. 287, Ent. News Philad. xvi, **n. sp.**

Parasaphes townsendi, Manila, ASHMEAD, p. 404, P. U. S. Mus. xxix, **n. sp.**

Perilampus; tabulation and notes, MAYR, pp. 562–569, Verh. Ges. Wien 1905.

P. tristis, Germany, MAYR, p. 566, t. c.; *P. reticulatus*, *læviceps*, p. 59, *albitarsis*, p. 60, Nicaragua, CAMERON, Invert. pacif. i: **n. sp.**

Philomides flavicollis, Gibraltar, CAMERON, p. 150, Zeitschr. Hym. Dipt. v, **n. sp.**

Philotrypesis ficicola, Philippines, ASHMEAD, p. 400, P. U. S. Mus. xxix, **n. sp.**

Phasgonophora rufo-ornata, Grahamstown, CAMERON, p. 310, Rec. Albany Mus. i, **n. sp.**

Plagiosmicra **n. g.** *ashmeadi* **n. sp.**, Nicaragua, CAMERON, p. 56, Invert. pacif. i.

Platychalcis **n. g.** near *Halticella*, *flavicollis* **n. sp.**, Nicaragua, CAMERON, p. 57, t. c.

Plutothrix minutissima, Zanzibar copal, MEUNIER, p. 215, pl. 1, fig. 13, Rev. Sci. Bourbonnais 1905, **n. sp.**

Rekabia **n. g.** near *Pleurotropis*, p. 65, *testaceipes* **n. sp.**, Nicaragua, p. 66, CAMERON, Invert. pacif. i.
Sericops referred to *Eurytomides*, characters, MAYR, p. 569, Verh. Ges. Wien 1905.
Smicra bergi to *Spilochalchis*, BRÈTHES, p. 23, An. Mus. Buenos Aires (3) iv.
Spalangia; table of European, KIEFFER, p. 2, Berlin. ent. Zeitschr. l.
S. formicaria, Luxemburg, KIEFFER, p. 1, t. c. **n. sp.**
Spilochalcis spilosoma, p. 53, *managuaensis*, *denticoxis*, p. 54, *segoviæ*, *belti*, *marcosensis*, p. 55, Nicaragua, CAMERON, Invert. pacif. i, **n. sp.**
Spilomegastigmus **n. g.** near *Megastigmus*, p. 73, *ruficeps* **n. sp.**, Ceylon, p. 74, pl. A, fig. 3, CAMERON, Spolia Zeylan. iii.
Stomatocera sulcata, Manila, ASHMEAD, p. 401, P. U. S. Mus. xxix, **n. sp.**
Syntomaspis purpureomaculata, Centr. America, CAMERON, p. 58, Invert. pacif. i, **n. sp.**
Tanycoryphus **n. g.** near *Euchalcis*, p. 312, *sulcifrons* **n. sp.**, Grahamstown, p. 313, CAMERON, Rec. Albany Mus. i.
Tetrasmicra bakeriana, Nicaragua, CAMERON, p. 56, Invert. pacif. i, **n. sp.**
Tetrastichoides browni, Manila, ASHMEAD, p. 113, P. U. S. Mus. xxix; *T. manilensis*, Philippines, ASHMEAD, p. 5, Canad. Ent. 1905 : **n. spp.**
Tetrastichus xanthomelænæ, nomenclature, p. 81, habits, oviposition, pp. 64–68, MARCHAL, Bull. Soc. ent. France 1905.
T. basimacula, p. 63, *nicaraguaensis*, p. 64, Nicaragua, CAMERON, Invert. pacif. i; *T. platensis*, Buenos Aires, RRÈTHES, p. 23, An. Mus. Buenos Aires (3) iv : **n. spp.**
Torymus bakeri, Nicaragua, p. 58, *aztecus*, Mexico, p. 59, CAMERON, Invert. pacif. i, **n. spp.**
Trichilogaster **n. g.** *Perilampides*, p. 555, *T. pendulæ* **n. sp.**, Australia, p. 560, and *Cynips maideni*, *longifoliæ* Frogg., MAUR, Verh. Ges. Wien 1905.
Trigonomerus sp., STEBBING, p. 429, pl. xxxviii, Indian Forest. xxxi.

PROCTOTRYPIDÆ (incl. MYMARIDÆ and BETHYLIDÆ).

[Cf. ASHMEAD (31, 32, 33, 34, 38), BRUES (199), CAMERON (250, 261, 263, 270, 272), COCKERELL (324), GIRAULT (662, 663, 668), KIEFFER (840–843, 846), MEUNIER (1036, 1037), PERKINS (1150).]

The continuation of KIEFFER & MARSHALL's monograph of *Proctotrypidæ* of Europe and Algeria extends to p. 288 and pl. xii of André's Spec. Hym. Eur. vol. ix.
KIEFFER includes *Bethylinæ* in *Proctotrypides*, though recognising that they are allied to *Scoliidæ*.
Mymaridæ, taxonomy, PERKINS, Bull. exp. Stat. Hawaii i, No. 6.
Mymaridæ in baltic amber, see p. 128, Palæoentomology.
Structure and function of foot of *Dryinus* ♀, KIEFFER, pp. 6–13, Zeitschr. Insbiol. i.

Acrepyris **n. g.**, type *reticulatus* Kieff., KIEFFER, p. 249, Hym. Eur. Alg. ix.
Alaptus immaturus, Queensland, PERKINS, p. 197, Bull. exp. Stat. Hawaii i, **n. sp.**
Allobethylus **n. g.** *Bethylinæ*, p. 247, for nondescript Papuan species, KIEFFER, Hym. Eur. Alg. ix.
Anagrus hydrophilus, Turkestan, ASHMEAD, p. 213, Ent. News Philad. xvi, **n. sp.**
Anaphes conotracheli, Georgia, from eggs of *Conotrachelus*, GIRAULT, p. 220, Ent. News Philad. xvi, **n. sp.**
Anectadius **n. g.** near *Ectadius*, *striolatus*, p. 187, *bengalensis*, p. 189, **n. spp.**, Bengal, KIEFFER, Ann. Soc. Bruxelles xxix.

Anopedias luzonicus, Philippines, ASHMEAD, p. 964, P. U. S. Mus. xxviii, **n. sp.**

Anteon subapterus, Scotland, p. 138, *reticulatus*, France, p. 140, *crenulatus*, Scotland, p. 141, *thomsoni*, Sweden, p. 142, *arcuatus*, p. 144, *vicinus*, p. 145, Scotland, *marginatus*, France, p. 147, *imberbis*, Scotland, p. 149, *longiforceps*, p. 151, *carinatus*, p. 152, France, *albidicollis*, Austria, p. 157, *rubrifrons*, p. 158, *citrinicollis*, p. 159, *ruficollis*, p. 160, Hungary, *gaullei*, France, p. 161, *cameroni*, Scotland, p. 162, *maculipennis*, Sweden, p. 164, *gracilicollis*, p. 165, *fusiformis*, p. 166, Scotland, *punctatus*, France, p. 168, *levigatus*, Switzerland, p. 169, *mayeti*, Austria, p. 170, *rectus*, p. 171, *nigricornis*, p. 172, *scoticus*, p. 174, *triareolatus*, p. 175, *brevicollis*, *flavitarsis*, p. 176, *æqualis*, p. 177, *melanocera*, p. 179, Scotland, *crassiscapus*, France, p. 180, *vitellinipes*, Scotland, p. 181, *proximus*, Hungary, p. 182, *forsteri*, Germany, p. 183, *procericornis*, Scotland, p. 184, *luteipes*, France, p. 187, *declivis*, p. 188, *pallidinervis*, p. 189, Scotland, *dolichocerus*, p. 190, *flavipes*, France, *flavinervis*, p. 192, *parvulus*, p. 193, Scotland, *tripartitus*, Trieste, *punctulatus*, France, p. 194, *nitidus*, Scotland, *albicoxis*, France, p. 195, *fuscoclavatus*, p. 196, *filicornis*, *triangularis*, p. 197, *xanthostigma*, Scotland, *sericeus*, France, p. 198, *indivisus*, p. 199, *divisus*, Scotland, *trichotomma*, Hungary, p. 200, *trivialis*, Scotland, p. 201, *dorsalis*, France, *vulgaris*, Europe, p. 202, *succineipes*, Austria and Scotland, p. 203, *giraudi*, Hungary, *minutus*, p. 204, *nigroclavatus*, Scotland, *radialis*, Hungary, p. 205, *integer*, Scotland etc., *parvicollis*, Europe, p. 206, *pyrenaicus*, France, p. 207, *curvinervis*, *fractinervis*, p. 208, *hyalinipennis*, Scotland, *fuscipennis*, Hungary, p. 209, KIEFFER, Hym. Eur. Alg. ix, **n. spp.**

Anteon annulicornis, Mexico, BRUES, p. 185, Bull. Wisconsin Soc. iii, **n. sp.**

Aphanogmus formicarius, Draufeld, KIEFFER, p. 6, Berlin. ent. Zeitschr. l, **n. sp.**

Aphanomerus **n. g.** *Platygasteridæ* but anomalous, *bicolor*, pl. xi, fig. 1, p. 201, *niger*, *rufescens*, p. 202, *pusillus*, p. 203, **n. spp.**, Queensland, PERKINS, Bull. exp. Stat. Hawaii i.

Aphelopus albipes, Bitche, KIEFFER, p. 217, Hym. Eur. Alg. ix, **n. sp.**

Bethylinæ, table of genera, KIEFFER, pp. 98–109, Ann. Soc. Bruxelles xxix.

Bethylus, recharacterised and purified, KIEFFER, pp. 128, 129, t. c.

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C. ferrugineus, p. 183, *grandis*, p. 184, N. America, BRUES, Bull. Wisconsin Soc. iii, **n. spp.**

Chlorodryinus **n. g.** *Dryinidæ*, *pallidus* **n. sp.**, Queensland, PERKINS, p. 57, Bull. exp. Stat. Hawaii i.

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Ecthrodelphax nigricollis, *bifasciatus*, Queensland, PERKINS, p. 49, Bull. exp. Stat. Hawaii i, **n. spp.**

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[Cf. ASHMEAD (32–34), CAMERON (239, 251), GRAEFFE (685), KIEFFER (683, 847).]

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SESSILIVENTRES.

SIRICIDÆ, CEPHIDÆ, ORYSSIDÆ. LYDIDÆ.

[Cf. BRADLEY (168), CAMERON (267, 270), KONOW (880, 881).]

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TENTHREDINIDÆ.

[Cf. ASHMEAD (31), KONOW (882–887), NIELSEN (1101), VAN ROSSUM (1296), SCHUSTER (1362), TULLGREN (1506).]

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PAPILIONIDÆ.

[Cf. CHAPMAN (304), JUNOD (825), ROTHSCHILD (1304, 1305), ROTHSCHILD & JORDAN (1306, 1307), WEEKS (1594).]

Papilio philoxenus melanurus subsp. n., ROTHSCHILD, p. 78, Nov. Zool. xii; *P. demodocus demodocus*, variation, p. 185, *P. dardanus* the subspp. p. 187, *P. nireus* (=*donaldsoni* Sharpe), synonymy and varr. pp. 188, 189, *P. similis umanus* subsp. n., *P. peculiaris* Neave, is *cynorta* var. p. 191, ROTHSCHILD & JORDAN, Nov. Zool. xii; *P. sarpedon rufocellularis* subsp. n., FRUHSTORFER, p. 36, Ins. Börse 1905; *P. schultzei*, cut, p. 21, AURIVILLIUS, Arkiv Zool. ii, No. 12; *P. cochabamba*, pl. vii, p. 39, WEEKS, Illustr.; *P. turnus*, dimorphism and food, JEHEBER, p. 111, Ent. News Philad. xvi; *P. machaon*, *hospiton*, *xuthulus*, varr., SCHULTZ, pp. 39–41, Nyt Mag. Naturv. xlii; *P. machaon*, the English form, VERITY, p. 185, Bull. Soc. ent. Ital. xxxvi; *P. colonna* chrysalis, p. 225, *junodi*, pl. ii, fig. 2, p. 224, *leonidas* larva, p. 225, *morania* larva, p. 228, JUNOD, Bull. Soc. Neuchatel xxvii.

P. æthiops, N. E. Africa, ROTHSCHILD & JORDAN, p. 190, Nov. Zool. xii; *P. steinbachi*, Bolivia, ROTHSCHILD, p. 125, Entomologist 1905: **n. spp.**

Parnassius apollo brittingeri, occurrence in Finland, FEDERLEY, p. 80, Medd. Soc. Faun. Fenn. xxx; *P. apollo* var. pl. i, fig. 1, ROUGEMONT, Bull. Soc. Neuchatel xxix.

Thais; mode of suspension for pupating, CHAPMAN, Tr. ent. Soc. London 1905, pp. 203–218, pl. xii.

Troides chimæra, ♂, ROTHSCHILD & JORDAN, p. 460, Nov. Zool. xii.

PIERIDÆ.

[Cf. AIGNER-ABAFI (12), BARTEL (84), HEYN (746), MOORE (1062), PETERSEN (1155), PIESZCZEK (1206), ROTHSCHILD & JORDAN (1307), TURATI (1508), WEEKS (1594).]

Parts lxx–lxxiii of MOORE, Lep. indica, continue the descriptions and figures of *Pieridæ*.

Scent of African *Pieridæ*, DIXEY, pp. liv–lix, P. ent. Soc. London 1905.

The cases of common larval habitations, DIXEY, pp. xix–xxi, P. ent. Soc. London 1905, and HOLLAND, t. c. pp. xxi, xxii.

Anthocharis ausonides and allies, variation, nomenclature, FRANCK, p. 29, Ent. News Philad. xvi; *A. genutia*, natural history, GROSSBECK, pp. 131–133, Ent. News Philad. xvi.

Aporia cratægi var. n. *augusta*, TURATI, p. 26, pl. i, Natural. Sicil. xviii; *A. cratægi*, melanic var., REBEL, p. 273, Verh. Ges. Wien 1905; *A. cratægi* in Hungary, hyaline form, wing-length, original home, AIGNER-ABAFI, pp. 204–209, Zeitschr. Insbiol. i; *A. cratægi* in Hungary, natural history (in Hungarian), AIGNER-ABAFI, pp. 89–95, Rov. Lapok 1905.

Appias rhodope, variation, *A. phæola* var. n. *ochrea*, p. 150, BARTEL, Nov. Zool. xii.

A. nicobarica, Nicobars, MOORE, p. 198, Lep. ind. vi, **n. sp.**

Catophaga swinhoei, S. India, MOORE, p. 11, pl. 556, fig. 1, op. cit. vii, **n. sp.**

Colias; names for numerous abb., GEEST, pp. 378–381, Zeitschr. Insbiol. i; *C.* varr. n., NEUBURGER, p. 42, Soc. ent. xx; *C.* new varr., SCHULTZ, pp. 41–45, Nyt Mag. Naturv. xlii; *C. hyale* ab. *alfacariensis*, RIBBE, p. 137, Soc. ent. xx; *C. myrmidone*, variation, varr. n.,

PIESZCZEK, pp. 401–423, pl. i, Verh. Ges. Wien 1905; *C. palæno* in Belgium, HAVERKAMPF, p. 92, Ann. Soc. ent. Belgique 1905.

C. hecate, Congo (Strecker), WEEKS, p. 6, pl. iii, Illustr., **n. sp.**

Delias aglaia thyra subsp. n., FRUHSTORFER, p. 36, Ins. Börse 1905; *D. descombesi* varr., FRUHSTORFER, pp. 113, 114, Soc. ent. xx.; *D. schoenbergi choiseuli*, pl. v, fig. 17, JORDAN, p. 512, Nov. Zool. xii.

D. callima, New Guinea, ROTHSCHILD & JORDAN, p. 462, Nov. Zool. xii, **n. sp.**

Euchloe belia ab. *alhambra*, RIBBE, p. 137, Soc. ent. xx; *E. eupheno* var. *androgyne*, MEADE-WALDO, p. 372, pl. xix, fig. 7, Tr. ent. Soc. London 1905; *E. belemia* ab. *desertorum*, p. 27, pl. ii, *belia* var. *matutia*, p. 28, pl. ii, figg. 7–12, *belia* var. *kruegeri*, p. 29, pl. iii, figg. 1–6, *belia* var. *trinacriæ*, p. 31, pl. iv, figg. 3–6, *euphenoides* ab. *lecithosa*, p. 31, pl. iv, figg. 9, 10, TURATI, Natural. Sicil. xviii.

Gonepteryx rhamni ab. pl. i, fig. 12, MÖBIUS, Iris Dresden xviii.

Huphina cingala, Ceylon, MOORE, p. 219, pl. 546, fig. 3, Lep. ind. vi, **n. sp.**

Leptidia sinapis varr. n. *major*, *croatica*, *flavescens*, GRUND, pp. 145–147, cuts, Ent. Zeitschr. Guben xix.

Leuciacria **n. g.** near *Pieris*, *acuta* **n. sp.**, New Guinea, ROTHSCHILD & JORDAN, p. 463, Nov. Zool. xii.

Lyncida hippo, variation, FRUHSTORFER, p. 3, Soc. ent. xx.

Mylothris chloris var. n. *infuscata*, *M. rembina* var. n. *fusca*, p. 149, *M rueppelli* var. n. *kikuyuensis*, p. 150, BARTEL, Nov. Zool. xii.

Pantoporia abiasa matanga subsp. n., FRUHSTORFER, p. 50, Soc. ent. xx.

Pieris rapæ var. *rossii*, SCHIMA, p. 24, Verh. Ges. Wien 1905; *P. rapæ*; *leucotera* is first gen. p. 515; *rapæ* var. n. *leucosoma*, p. 516; SCHAWERDA, Verh. Ges. Wien 1905; *P. brassicæ*, *rapæ*, *napi*, differences in sexual organs, PETERSEN, p. 62, cuts, Mem. Ac. St. Petersb. (8) xvi, No. 2; *P. ergane* var. n. *longomaculata*, ROSTAGNO, p. 91, Boll. Soc. zool. Ital. xiv; *P. gidica* and allies, AURIVILLIUS, p. 18, Arkiv Zool. ii, No. 12; *P. cebron* var., BARTEL, p. 151, Nov. Zool. xii.

P. continentalis, Quango, HEYN, p. 57, Ent. Zeitschr. Guben xviii, **n. sp.**

Tachyris lyncida fabiola subsp. n., FRUHSTORFER, p. 3, Soc. ent. xx.

Teracolus celimene var. n. *sudanicus*, AURIVILLIUS, p. 19, Arkiv Zool. ii, No. 12; *T. daira* var. *nouna*, pl. xix, figg. 8, 9, MEADE-WALDO, p. 372 Tr. ent. Soc. London 1905; *T. daira* var. *nouna*, p. 135, cuts, larva, ANDREAS, Ent. Zeitschr. Guben xix; *T. auxo* from *T. topha*, eggs, DIXEY, p. xv, P. ent. Soc. London 1905.

T. lanzi, Trop. Africa, BARTEL, p. 151, Nov. Zool. xii, **n. sp.**

Terias floscula, pl. xxiv, fig. 1, p. 66, WEEKS, Illustr.

DANAIDÆ and ITHOMIIDÆ.

[Cf. HAENSCH (712), KAYE (828), WEEKS (1594).]

New *Ithomiinae*; HAENSCH in his paper Berlin. ent. Zeitschr. l, states that he cannot decide whether the forms he describes are "Gute Art, Unterart oder Abart." We record therefore only the names and localities.

Amauris hecate reducta var. n., BARTEL, p. 129, Nov. Zool. xii.

Athyrtis distincta, Columbia, HAENSCH, p. 144, Berlin. ent. Zeitschr. l.

Calliploea mazares subspp. n., FRUHSTORFER, p. 3, Soc. ent. xx.

Callithomia schulzi, Pará, pl. iv, fig. 6, HAENSCH, Berlin. ent. Zeitschr. l.

Calloleria chanchamaya, Peru, pl. v, fig. 17, p. 165, *robusta*, fig. 18, *porrecta*, *fuscens*, p. 166, Bolivia, *peruensis*, Peru, p. 167, HAENSCH, t. c.

Ceratinia polymnides, Colombia, p. 148, *viola*, Amazons, p. 149, *pamina*, *nina*, *callanga*, Bolivia, p. 150, *ignorata*, pl. iv, fig. 11, p. 151, Ama-

zons, *sellana*, Bolivia, p. 152, *granadensis*, Muzo, *pellucida*, Brit. Guiana, *angelina*, Upp. Amazons, pl. iv, fig. 3, p. 154, *limpida*, Cauca Valley, p. 155, *nora*, Bolivia, *atagalpa*, Peru, p. 156, *cana*, Colombia, pl. v, fig. 16, p. 157, HAENSCH, t. c.; *C. acceptabilis*, pl. xx, p. 60, WEEKS, Illustr.

Episcada hymen, p. 170, *sulphurea*, Bolivia, *helena*, *cubenis*, pl. v, fig. 6, Muzo, *sylpha*, fig. 7, Venezuela, p. 171, *sidonia*, Peru, *dirama*, Bolivia, pl. v, fig. 19, HAENSCH, Berlin. ent. Zeitschr. l.

Hymenitis nerina, Colombia, *enigma*, Bolivia, pl. v, fig. 21, HAENSCH, p. 179, t. c.; *H. andreas*, pl. vi, fig. 4, p. 38, WEEKS, Illustr.

Hypoleria indecora, Brit. Guiana, p. 177, *cajona*, Peru, *garleppi*, Amazons, p. 178, *riffarthi*, pl. v, fig. 14, Ecuador, p. 179, HAENSCH, Berlin. ent. Zeitschr. l.

Hyposcada rezia, pl. iv, fig. 4, *idina*, Amazons, HAENSCH, p. 167, t. c.

Ithomia alienassa, Colombia, p. 163, *eleonora*, Bolivia, p. 164, HAENSCH, t. c.; *I. gardneri*, pl. xl, p. 93, WEEKS, Illustr.

Leucothyris amazona, pl. v, fig. 5, Amazons, *lubilerda*, Colombia, *attalita*, *valida*, p. 168, *bioculata*, pl. v, fig. 4, *epimakrena*, pl. v, fig. 15, Bolivia, *caucana*, p. 169, *fumata*, p. 170, Cauca Valley, HAENSCH, Berlin. ent. Zeitschr. l.

Mechanitis casabranca, Brazil, p. 145, *eurydice*, p. 147, Peru, HAENSCH, t. c.

Melinæa magnifica, Peru, HAENSCH, p. 145, t. c.

Napeogenes adulta, *moles*, pl. iv, fig. 10, Brit. Guiana, p. 157, *olyrina*, pl. iv, fig. 5, Bolivia, *terastis*, Lower Amazons, p. 158, *deucalion*, Peru, *gracilis*, Bolivia, pl. v, fig. 2, *pteronymiensis*, pl. v, fig. 3, Colombia, *sodalis*, Peru, p. 160, HAENSCH, t. c.

N. potaronus, Brit. Guiana, KAYE, p. 120, Ent. Rec. xvii, **n. sp.**

Olyris sticheli, S. Peru, HAENSCH, p. 142, Berlin. ent. Zeitschr. l.

Pseudoscada emyra, pl. v, fig. 11, Bolivia, p. 176, *fallens*, Brazil, p. 177, HAENSCH, t. c.

Pteronymia dispar, *splendida*, pl. v, fig. 12, Colombia, p. 173, *olimba*, Peru, *tenuis*, *auricula*, pl. v, fig. 10, p. 174, Colombia, *derama*, fig. 8, *nepiscada*, fig. 9, *yungava*, *denticulata*, p. 175, Peru and Bolivia, *evonia*, fig. 20, *medellina*, fig. 13, p. 176, Colombia, HAENSCH, t. c.

Sais paraensis, p. 161, *badia*, Amazons, *camariensis*, Brit. Guiana, pl. iv, fig. 12, HAENSCH, t. c.

Scada majuscula, Brit. Guiana, *amplificata*, Muzo, pl. v, fig. 1, p. 162, HAENSCH, t. c.

Tithorea melanina, *assimilis*, p. 143, *brunnea*, p. 144 Peru, HAENSCH, t. c.

ACRÆIDÆ and HELICONIIDÆ.

Monograph, recognising 2 genera, 87 good species and 4 doubtful; 49 of the species are divided into 214 subspecies, and these into named forms; thus *H. melpomene melpomene melpomenides* is the name of a form found in Dutch Guyana, and it belongs to the cohort *Melpomeneformes* of the section *Opisogymni* of the genus *Heliconius*. STICHEL & RIFFARTH, das Tierreich Lief. xxii.

Acræa zetes sidamona, p. 179, *A. peneleos gelonica*, *A. jodutta æthiops*, p. 183, *A. circeis rhodina*, *A. lycoa æqualis*, *A. alciope schecana*, p. 184, subspp. n., ROTHSCHILD & JORDAN, Nov. Zool. xii; *A. encedon* ab. n. *radiata*, AURIVILLIUS, p. 4, Arkiv Zool. ii, No. 12; *A. buxtoni* larva, JUNOD, p. 198, Bull. Soc. Neuchatel xxvii.

Heliconius spadicarius, pl. ix, p. 41, WEEKS, Illustr.; *H. doris*, variation, HENNEGUY & OBERTHÜR, pp. 146, 147, Bull. Soc. ent. France 1905.

Planema epæa homochroa subsp. n., ROTHSCHILD & JORDAN, p. 185, Nov. Zool. xii.

NYMPHALIDÆ.

[Cf. BARTEL (84), CLARK (321), DRUCE (456), FRUHSTORFER (620, 622), JUNOD (825), LINDEN (957), PETERSEN (1155), ROTHSCHILD (1304), ROTHSCHILD & JORDAN (1307), SCHÜLKE (1355), STICHEL (1450, 1451), WEEKS (1594).]

Adelpha helepecki, pl. xix, p. 58, WEEKS, Illustr.; *A. deborah*, pl. xxxix, p. 91, WEEKS, t. c.

Amphichlora poseidon, Venezuela, CLARK, p. 7, Psyche xii, **n. sp.**

Apatura iris and *ilia*, sexually distinct, PETERSEN, pp. 75, 76, cuts, Mem. Ac. St. Petersb. (8), xvi, No. 2.

Argynnis, the sex structures in the various species, PETERSEN, pp. 31–61, Mem. Ac. St. Petersb. (8) xvi, No. 2; *A. pales*, var., pl. i, fig. 3, HIRSCHKE, p. 5, Jahresber. Wien. ent. Ver. 1905; *A. pales killiasi*, cut, GALVAGNI, p. 513, Verh. Ges. Wien 1905; *A. sclene*, *lathonia*, varr., MÖBIUS, pl. i, figg. 1, 2, 4, 7, 8, Iris Dresden xviii; *A. niobe eris*, pl. i, fig. 7, BERGER, p. 87, Jahresber. Wien. ent. Ver. 1905; *A. paphia*, gynandromorph, TURATI, p. 35, pl. vi, fig. 2, Natural. Sicil. xviii.

Asterope ansorgei, *garega*, etc., synonymy, BARTEL, p. 136, Nov. Zool. xii.

Aterica galene var. n. *dimorpha*, BARTEL, p. 138, t. c.

Cethosia cydippe lucina **n. sp.** (sic), Jobi, *biblis alceste* subsp. n., FRUHSTORFER, p. 36, Ins. Börse 1905.

Charaxes epijasius, variation, larva, pp. 7, 8, *C. kheili* var. *northcotti*, p. 9, AURIVILLIUS, Arkiv Zool. ii, No. 12; *C. nandina* ♀, *C. hansali baringana* subsp. n., ROTHSCHILD, p. 78, Nov. Zool. xii; *C. zoolina*, pl. i, fig. 1, *C. neanthes*, p. 205, pl. i, fig. 2, hybrid, fig. 3, JUNOD, Bull. Soc. Neuchatel xxvii.

Cirrochroa tyche thilina subsp. n., FRUHSTORFER, p. 49, Soc. ent. xx.

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E. viridicærulea, p. 139, *adelica*, p. 140, *karschi*, p. 141, W. Africa, BARTEL, t. c.; *E. cooksoni*, Rhodesia, DRUCE, p. 550, Ann. Nat. Hist. (7) xvi: **n. spp.**

Euryphene barce ab. n. *achillæna*, p. 144, *E. lætitia* var., p. 145, BARTEL, Nov. Zool. xii.

E. intermedia, Cameroons, BARTEL, p. 143, t. c. **n. sp.**

Euryphura ochracea, p. 146, *fulminea*, p. 147, W. Africa, BARTEL, t. c. **n. spp.**

Eurytela castelnaui ochus subsp. n., FRUHSTORFER, p. 49, Soc. ent. xx.

Hypolimnas dubius ab. n. *latepicta*, BARTEL, p. 135, Nov. Zool. xii.

Junonia orithya metion subsp. n., FRUHSTORFER, p. 50, Soc. ent. xx.

Leucosticha dædabus var., BARTEL, p. 139, Nov. Zool. xii.

Melitæa athalia var., pl. i, fig. 5, MÖBIUS, Iris Dresden xviii; *M. athalia* var., pl. i, fig. 2, GÜNNER, p. 4, Jahresber. Wien. ent. Ver. 1905; *M. ætherie* var. *perlinii*, TURATI, p. 33, pl. v, figg. 1–8, *M. didyma*, gynandromorph, p. vi, fig. 1, Natural. Sicil. xviii; *M. aurinia*, variation, KITCHIN, Tr. Hertfordsh. Soc. xii, pp. 165–167, pl. iv.

Myscelia streckeri, pl. i, fig. 3, p. 6, WEEKS, Illustr.

Neptis anjana n. subspp., FRUHSTORFER, p. 41, Soc. ent. xx; *N. miah digitia* subsp. n., FRUHSTORFER, p. 50, t. c.

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Perrhanœa cubana, Cuba, DRUCE, p. 549, Ann. Nat. Hist. (7) xvi, **n. sp.**
Phœdyma shepherdi, *donata*, pl. ix, fig. 3, *graciella*, fig. 5, subspp. n., *columella sumbana* subsp. n., p. 314, pl. ix, fig. 6, FRUHSTORFER, pp. 313, 314, Iris Dresden xvii.
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Pseudacræa lucretia, *dolomena*, variation, BARTEL, p. 137, Nov. Zool. xii.
P. togoënsis, Africa, BARTEL, p. 137, t. c. **n. sp.**
Pseudargynnis hegemone nyassæ subsp. n., BARTEL, p. 138, t. c.
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Vanessa, varieties of, and the origin of species, SCHÜLKE (1355) ; *V. io* var. n. *fulva*, OUDEMANS, p. 6, pl. ii, fig. 4, Tijdschr. Ent. xlviii ; *V. urticæ*, abb. n., NEUBURGER, p. 170, Soc. ent. xix ; *V. urticæ* ab., pl. i, fig. 10; *V. io* ab. *exoculata*, fig. 11, MÖBIUS, Iris Dresden xvii ; *V. urticæ*, experimental varr., CHOLODKOVSKY, Zeitschr. Insbiol. i, pp. 117, 118; *V. antiopa lintneri*, occurrence in Finland, FEDERLEY, p. 78, Medd. Soc. Faun. Fenn. xxx.

MORPHIDÆ (and allies).

[Cf. FRUHSTORFER (619, 623), JANET (814), STICHEL (1450, 1451), ROTHSCHILD & JORDAN (1307), WEEKS (1594).]

Amathusia varr. n., FRUHSTORFER, pp. 129, 130, 137, Soc. ent. xx.
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Hyantis and *Morphopsis*, a distinct fam., *Hyantidæ*, RÖBER, p. 169, Soc. ent. xix.
Morpho subspp. n., FRUHSTORFER, pp. 125, 126, Ent. Zeitschr. Guben xix ; *M. adonis* var. n. *major*, LATHY, p. 226, Entomologist 1905.
Morphopsis ula, p. 454, *meeki*, p. 456, New Guinea, ROTHSCHILD & JORDAN, Nov. Zool. xii, **n. spp.**
Stichophthalma matilda, Laos, JANET, p. 215, Bull. Soc. ent. France 1905, **n. sp.**
Tenaris ; revision, with numerous new forms, FRUHSTORFER, pp. 57–89 & 119–128, pls. 1, 2, Wien. ent. Zeit. xxiv ; *T. westwoodi* ab. n. *unipupillata*, FRUHSTORFER, p. 35, Soc. ent. xx.
T. tainia, New Guinea, FRUHSTORFER, p. 36, Ins. Börse 1905 ; *T. merana*, Kaju, FRUHSTORFER, p. 118, Ent. Zeitschr. Guben xviii : **n. spp.**
Thaumantis varr. n., FRUHSTORFER, p. 13, Soc. ent. xx.
Zeuxidia nicevillei subsp. n., FRUHSTORFER, p. 33, t. c.

SATYRIDÆ.

[Cf. AUSTAUT (44), BARTEL (84), BLACHIER (122), CHAPMAN (302), DRUCE (457), GODMAN (671), GRINNELL (697), ROTHSCHILD & JORDAN (1306, 1307), THIEME (1490), WEEKS (1594).]

Cœnonympha pamphilus, GALVAGNI, p. 25, Verh. Ges. Wien 1905; *C. pamphilus* var. n. *pallida*, OUDEMANS, p. 15, pl. iv, fig. 14, Tijdschr. Ent. xlviii.

C. vaucheri with var. *geminipuncta*, Marocco, BLACHIER, p. 213, Bull. Soc. ent. France 1905, **n. sp.**; *C. vaucheri*, pl. xix, figg. 1, 2, MEADE-WALDO, p. 377, Tr. ent. Soc. London 1905.

Cosmosatyrus nilesi, pl. xxv, figg. 1, 2, p. 68, WEEKS, Illustr.

Cystineura aurantia, pl. xlii, fig. 2, p. 97, t.c.

Dædalma bronza, pl. xxxv, p. 85, t. c.

Epinephele imbrialis, pl. x, fig. 2, p. 43, t. c.

Erebia euryale var., SCHAWERDA, pp. 27, 29, Verh. Ges. Wien 1905; *E. flavofasciata*, variation in Engadine and Ticino, LOWE, pp. 38, 39, Ent. Rec. xvii; *E. stygne* and *evias* in Spain, larvæ, variation, CHAPMAN, pp. 9–31, Tr. ent. Soc. London 1905.

Erebia palarica, N. Spain, CHAPMAN, p. 13, pl. ii, t. c. **n. sp.**

Eretris **n. g.** p. 131, for part of *Pedaliodes*, *rubricaria*, Colombia, pl. iii, fig. 40, p. 134, *ochrea*, Ecuador, pl. iii, fig. 41, p. 135, **n. spp.**, THIEME, Berlin. ent. Zeitschr. l.

Erycinidia **n. g.** near *Hypocysta*, *gracilis* **n. sp.**, New Guinea, ROTHSCHILD & JORDAN, p. 457, Nov. Zool. xii.

Euptychia monohani, pl. xxiii, fig. 1, p. 64, *therkelsoni*, fig. 2, p. 65, WEEKS, Illustr.; *E. luttela*, pl. xxxvii, fig. 1, p. 87, WEEKS, t. c.

E. analis, Amazons, pl. x, fig. 1, p. 185, *stigmatica*, Argentina, fig. 2, *penicillata*, figg. 3, 4, *scopulata*, fig. 5, Amazons, p. 186, *mimas*, fig. 6, *boliviana*, p. 7, *E.* ? *biocellata*, fig. 8, Bolivia, p. 187, GODMAN, Tr. ent. Soc. 1905, **n. spp.**

Gnophodes chelys var. n. *iris*, BARTEL, p. 130, Nov. Zool. xii.

Lymanopoda maso, pl. x, fig. 9, *malia*, *levana*, fig. 10, N.W. S. America, GODMAN, p. 188, Tr. ent. Soc. London 1905, **n. spp.**

Melanargia ines and *lachesis* varr., RIBBE, p. 138, Soc. ent. xx.

Melanitis libya nyassæ subsp. n., BARTEL, p. 130, Nov. Zool. xii; *M. ansorgei*, pl. v, fig. 15, JORDAN, p. 512, Nov. Zool. xii.

Mycalesis safitza æthiops subsp. n., ROTHSCHILD & JORDAN, p. 175, Nov. Zool. xii; *M. iccius* ab. n. p. 131, *M. dubia* ♂, p. 132, BARTEL, Nov. Zool. xii.

M. (*Bicyclus*) *bicolor*, p. 130, *subocellatus*, p. 131, *M.* (*Monotrichtis*) *ploetzi*, p. 132, *fuelleborni*, p. 133, Africa, BARTEL, t. c.; *M. cooksoni*, p. 251, pl. xiii, fig. 1, *haroldi*, p. 252, fig. 2, Rhodesia, DRUCE, Tr. ent. Soc. London 1905 : **n. spp.**

Oxeoschistus duplex, Bolivia, GODMAN, p. 189, pl. x, fig. 12, Tr. ent. Soc. London 1905, **n. sp.**

Pararge achine var., var. *mendelensis*, LOWE, p. 60, Entomologist 1905; *P. hiera* var. n. *finmarchica*, NEUBURGER, p. 49, Soc. ent. xx.; *P. hiera*, natural history, PEYRON, pp. 249–251, Ent. Tidskr. xxvi.

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P. albonotata, Venezuela, GODMAN, p. 189, pl. x, fig. 11, Tr. ent. Soc. London 1905; *P. proculeja*, Peru, p. 57, pl. iii, fig. 27, *puma*, Bolivia, p. 58, pl. ii, fig. 19, *fumaria*, Merida, p. 60, pl. iii, fig. 25, *simpla*, Ecuador, p. 62, pl. iii, fig. 39, *exul*, Rio, p. 63, pl. iii, fig. 32, *nævia*,

Ecuador, pl. iii, fig. 26, *auraria*, Peru, pl. ii, fig. 20, p. 64, *labulla* (=*perperna* Feld.) Bogotá, p. 65, *circumducta*, Mexico, p. 74, pl. iii, fig. 23, *manneja*, Colombia, p. 76, *amussis*, Cauca, p. 78, pl. iii, fig. 22, *silpa*, Bolivia, p. 80, pl. iii, fig. 29, *rahab*, Peru, pl. iii, fig. 31, p. 82, *muscosa*, Bolivia, p. 83, pl. ii, fig. 17, *jephtha*, pl. ii, fig. 18, Antioquia, p. 84, *antulla*, p. 86, pl. iii, fig. 28, *daulis*, pl. iii, fig. 24, p. 87, Peru, *simmias*, Bolivia, pl. iii, fig. 36, p. 90, *albutia*, Peru, pl. iii, fig. 21, p. 91, *cestia*, Colombia, pl. i, fig. 8, p. 94, *nebris*, pl. i, fig. 10, *empetrus*, pl. i, fig. 7, Merida, p. 98, *tyro*, Amazons, p. 100, *pheres*, Bolivia, pl. i, fig. 9, p. 101, *uncus*, Tucumán, p. 102, *asconia*, Ecuador, pl. ii, fig. 13, p. 104, *baccara*, Antioquia, pl. iii, fig. 35, p. 105, *entella*, Ecuador, pl. ii, fig. 16, p. 106, *tucca*, Bolivia, pl. ii, fig. 15, *luperca*, Ecuador, p. 107, *cledonia*, Bolivia, pl. ii, fig. 14, p. 109, *quincedis*, Peru, pl. i, fig. 5, p. 110, *auristriga*, pl. ii, fig. 12, p. 111, *parma*, Colombia, p. 115, pl. i, fig. 2, *niphoessa*, pl. i, fig. 1, p. 116, *milvia*, pl. iii, fig. 34, p. 120, *amafania*, pl. i, fig. 4, p. 122, Peru, *pamphos*, Bolivia, p. 129, THIEME, Berlin. ent. Zeitschr. l, **n. spp.**

Pierella chalybœa, Brazil, GODMAN, p. 85, Tr. ent. Soc. London 1905, **n. sp.**

Pieridopsis **n. g.** near *Hypocysta*, *virgo* **n. sp.**, New Guinea, ROTHSCHILD & JORDAN, p. 457, Nov. Zool. xii.

Platyphthima **n. g.** near *Hypocysta*, *ornata*, p. 458, *simplex*, *decolor*, p. 459, **n. spp.**, New Guinea, and including *Hypocysta leucomelar* R., ROTHSCHILD & JORDAN, t. c.

Pseudonympha cassius ab. n. *triocellata*, BARTEL, p. 133, Nov. Zool. xii.

Satyrus mnizechi var. n. *maroccana*, pl. xix, figg. 3, 4, MEADE-WALDO p. 375, Tr. ent. Soc. London 1905; *S. actæa* var. *nevadensis*, RIBBE, p. 137, Soc. ent. xx.

S. atlantis, Atlas, AUSTAUT, p. 25, Ent. Zeitschr. Guben xix; *S. behrii*, California, GRINNELL, p. 33, Ent. News Philad. xvi : **n. spp.**

Steremnia **n. g.** type *Pedaliodes polyxo*, *S. rugilas*, S. America, p. 137, *misella*, Peru, pl. iii, fig. 43, p. 138, **n. spp.**, THIEME, Berlin. ent. Zeitschr. l.

Taygetis puritana, pl. xviii, p. 57, WEEKS, Illustr.

Yphthima albida subspp. n., *argentata*, *occidentalis* and *uniformis*, BARTEL, p. 134, Nov. Zool. xii.

ERYCINIDÆ, and allies (incl. *Elymnias*).

[Cf. ROTHSCHILD & JORDAN (1307), WEEKS (1594).]

Catalogue of the family, published by MENGEL, not seen by Recorder.

Amarynthis muscolor, pl. vi, fig. 2, p. 35, WEEKS, Illustr.

Aricoris aurigera, pl. xi, fig. 1, p. 44, WEEKS, t. c.

Dicallaneura leucomelas (=*amabilis* ♀ olim), New Guinea, ROTHSCHILD & JORDAN, Nov. Zool. xii, **n. sp.**

Dynamine albidula, pl. vi, fig. 1, p. 34, WEEKS, Illustr.

Elymnias phegea ab. n. *angustata*, BARTEL, p. 129, Nov. Zool. xii.

Eurybia hari, pl. viii, p. 40, WEEKS, Illustr.; *Lasaia rosamunda*, pl. v, p. 9, WEEKS, t. c.; *L. kennethi*, pl. xxxvi, p. 86, WEEKS, t. c.

Lemonias virgulti, life-history, GRUNDEL, p. 86, Ent. News Philad. xvi; *L. maxima*, pl. i, fig. 4, p. 3, WEEKS, Illustr.

Libythea geoffroyi nicevillei, full synonymy, WATERHOUSE, pp. 13, 14, Ent. Mag. xli.

Metacharis indissimilis, pl. xlv, fig. 1, p. 103, WEEKS, Illustr.

Stalachtis; pupal suspension, RÖBER, p. 258, Stettin Ent. Zeit. lxvi.

LYCÆNIDÆ.

[Cf. AURIVILLIUS (41), BETHUNE-BAKER (109, 112), BLACHIER (122), DRUCE (457, 458), GRINNELL (698), KERSHAW (836), KHEIL (839), PETERSEN (1155), ROTHSCHILD & JORDAN (1307), WARREN & ROTHSCHILD (1576), WEEKS (1594).]

Callophrys rubi, pl. i, f. 3, MÖBIUS, Iris Dresden xviii.

Catachrysops eleusis ♂ ♀, pl. iv, figg. 15, 16, p. 22, ROTHSCHILD, Nov. Zool. xii.

C. pampolis, p. 258, pl. xiii, f. 11, *skotios*, f. 12, p. 259, DRUCE, Tr. ent. Soc. London 1905, **n. spp.**

Chrysophanus; new named varr. of European, SCHULTZ, Nyt. Mag. Naturw. xli, pp. 23–26; *C. phlæas*, variations and their synonymy, OBERTHÜR, pp. 55, 56, Bull. Soc. ent. France 1905; *C. phlæas schmidtii*, pl. i, f. 4, p. 79, PIESZCZEK, Jahresber. Wien. ent. Ver. 1905; *C. gordius* var. *granadensis*, RIBBE, p. 138, Soc. ent. xx; *C. hippothoe* ab. n. *eurybina*, TER HAAR, p. 204, Tijdschr. Ent. xlviii.

C. phœbus, Marocco, BLACHIER, p. 212, Bull. Soc. ent. France 1905, **n. sp.**

Cooksonia **n. g.** near *Erikssonia*, p. 256, *trimeni* **n. sp.**, Rhodesia, p. 257, pl. xiii, f. 3, DRUCE, Tr. ent. Soc. London 1905.

Cupido theophrastus, ♂ ♀, pl. iv, figg. 17, 18, p. 22, ROTHSCHILD, Nov. Zool. xii.

Cyaniris puspa hermione subsp. n., FRUHSTORFER, p. 2, Soc. ent. xx.

Cyclyrius æquatorialis and *sharpiæ* are one, BETHUNE-BAKER, p. 495, Nov. Zool. xii.

Deudorix dohertyi, Kikuyu escarp., BETHUNE-BAKER, p. 492, t. c.; *D. grandis*, New Guinea, ROTHSCHILD & JORDAN, p. 465, Nov. Zool. xii: **n. spp.**

Erikssonia cooksoni, Rhodesia, DRUCE, p. 255, Tr. ent. Soc. London 1905, **n. sp.**

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Incisalia henrici, validity, COOK, p. 216, Canad. Ent. 1905.

Jolaus sp., metamorphosis, AURIVILLIUS, pp. 13, 14, cuts, Arkiv Zool. ii, No. 12.

J. schultzei, p. 12, pl. iii, f. 1, *scintillans*, p. 13, f. 2, *bicaudatus*, p. 14, f. 3, W. Africa, AURIVILLIUS, t. c. **n. spp.**

Iridopsis euprepes, Rhodesia, DRUCE, p. 254, pl. xiii, f. 8, Tr. ent. Soc. London 1905, **n. sp.**

Jamides bochus, oviposition, young larva, GREEN, p. 204, Spolia Zeylan. ii.

Lycæna; notes on European varr., SCHULTZ, pp. 75–78, Jahresber. Wien. ent. Ver. 1905; *L. alcon* var. n. *rebeli*, pl. ii, figg. 1, 2, HIRSCHKE, p. 109, Jahresber. Wien. ent. Ver. 1904; *L. argiades* var. n. *depuncta*, pl. ii, figg. 3, 4, HIRSCHKE, p. 112, t. c.; *L. argus* and *argyronomon*, sex differences, PETERSEN, p. 72, Mem. Ac. St. Petersb. (8) xvi, No. 2; *L. arion*, pupa, FROHAWK, p. 193, cut, Entomologist 1905; *L. bellargus* var. *alfacariensis*, RIBBE, p. 138, Soc. ent. xx; *L. corydon cinnus*, cuts, LEONHARDT, p. 128, Ins. Börse 1905; *L. hylas* var. n. *atlantica*, pl. xix, figg. 5, 6, ELWES, p. 380, Tr. ent. Soc. London 1905; *L. icarus* Rott. ab. *polyphemus* Esper, *melanotoxa* Pincitore, LEONHARDT, p. 1, Natural. Sicil. xviii; *L. icarus* Rott., hermaphrodite, pl. ii, figg. 5, 6, SCHNECK, p. 5, Jahresber. Wien. ent. Zeit. 1904; *L. melanops* var. n. *wheeleri*,

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L. osiris, larva, JUNOD, p. 212, Bull. Soc. Neuchatel xxvii; *L. babhru*, pl. xliii, f. 1, p. 98, *ruberrothei*, f. 2, p. 99, WEEKS, Illustr.; *L. maritima*, pl. xliv, f. 3, p. 102, WEEKS, t. c.

L. pulchristriata, Kikuyu escarp., BETHUNE-BAKER, p. 495, Nov. Zool. xii; *L. emigdionis*, California, GRINNELL, p. 115, Ent. News Philad. xvi, **n. sp.**

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L. anadema, Rhodesia, DRUCE, p. 258, pl. xiii, f. 6, t. c.; *L. nigeriæ*, W. Africa, AURIVILLIUS, p. 16, pl. iii, f. 4, Arkiv Zool. iv, No. 12, **n. sp.**

Liptena bolivari, Guinea, KHEIL, p. 173, Mem. Soc. Espan. i; *L. eukrines*, Rhodesia, DRUCE, p. 253, pl. xiii, f. 7, Tr. ent. Soc. London 1905: **n. spp.**

Ogyris, monograph, *zozine-duaringa*, and *zozine-magna*, p. 280, *hewitsoni-meridionalis*, p. 286, subspp. n., BETHUNE-BAKER, Tr. ent. Soc. London 1905.

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Polyommatus astrarche varr., HARRISON, p. 280, Ent. Rec. xvii; *P. corydon*, attachment of pupa, CHAPMAN, pp. 79, 80, Ent. Rec. xvii.

Spindaris kallimon, Rhodesia, DRUCE, p. 254, pl. xiii, f. 9, Tr. ent. Soc. London 1905, **n. sp.**

Stilbon meeki, New Guinea, ROTHSCHILD & JORDAN, p. 465, Nov. Zool. xii, **n. sp.**

Thecla ilicis ab. n. *alineata*, ROSTAGNO, p. 92, Boll. Soc. zool. Ital. xiv; *T. spurina* = (*stagira*, *volana*, *timæa* Hew.), *T. ericusa* ♂ = (*voconia* Hew.), H. H. DRUCE, pp. 194–196, Ann. Nat. Hist. (7) xv; *T. infrequens*, pl. vi, f. 3, p. 37, *T. lucaris*, pl. x, f. 1, p. 42, *T. harrietta*, pl. xi, f. 2, p. 45, *T. dickiei*, pl. xiv, f. 1, p. 49, *T. francis*, pl. xliii, f. 3, p. 99, *sadiei*, pl. xliv, f. 1, p. 100, WEEKS, Illustr.

Zephyrus quercus, hermaphrodite, MÖBIUS, pl. 1, f. 6, Iris Dresden xviii.

HESPERIIDÆ.

[Cf. DRUCE & DRUCE (457), DYAR (482), FRUHSTORFER (621), GRINNELL (697), JUNOD (825), SWINHOE (1462), TURATI (1508), WEEKS (1594).]

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Achlyodes fera, pl. xxiv, fig. 3, p. 67, WEEKS, Illustr.; *A. guilfordi*, pl. xli, fig. 1, p. 94, *seatoni*, fig. 2, p. 95, WEEKS, t. c.

Amblyscirtes meridionalis, Florida, DYAR, p. 135, J. N. York Ent. Soc. xiii, **n. sp.**

Anatrytone **n. g.** type *Pamphila delaware* Edw., DYAR, p. 140, t. c.

Augiades comma and *sylvanus*, sexual differences, PETERSEN, p. 72, cuts, Mem. Ac. St. Petersb. (8) xvi, No. 2.

A. faunus, Gavarni, TURATI, p. 36, pl. vi, figg. 5, 9, and vii, fig. 3, Natural. Sicil. xviii, **n. sp.**

Butleria duovata, pl. xxiv, fig. 2, p. 66, WEEKS, Illustr.

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Casyapa dissimilis, N. Guinea, SWINHOE, p. 612, Ann. Nat. Hist. (7) xvi, **n. sp.**

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Cyclopides formosus var. n. *tsadicus*, AURIVILLIUS, p. 23, Arkiv Zool. ii, No. 12.

C. cooksoni, Rhodesia, DRUCE, p. 260, pl. xiii, fig. 10, Tr. ent. Soc. London 1905, **n. sp.**

Epiphyes **n. g.** type *Pamphila carolina*, DYAR, p. 132, J. N. York Ent. Soc. xiii.

Gorgythion difficilis, pl. xiv, fig. 2, p. 50, WEEKS, Illustr.

Hasora pulinda, Java, SWINHOE, p. 618, Ann. Nat. Hist. (7) xvi, **n. sp.**

Hesperilla saxula Mab., to *Telesto*, SWINHOE, p. 614, t. c.

Hesperopsis **n. g.** type *Pholisora alphæus*, DYAR, p. 118, J. N. York Ent. Soc. xiii.

Heteropterus morpheus var. n. *radiata*, KOLISKO, p. 275, Verh. Ges. Wien 1905.

Ilma **n. g.** near *Erionota*, *I. jovina* **n. sp.**, Celebes, SWINHOE, p. 613, Ann. Nat. Hist. (7) xvi.

Ismene aphrodite, Toli-toli, FRUHSTORFER, p. 141, Soc. ent. xx ; *I. lysima*, Ké Is., SWINHOE, p. 618, Ann. Nat. Hist. (7) xvi : **n. spp.**

Mimas melie ♂, SWINHOE, p. 615, t. c.

Megathymus, see *Castniidæ*.

Nisionades tages, larval hairs, CHAPMAN, p. 281, Ent. Rec. xvii ; *N. menuda*, pl. xliv, fig. 2, p. 101, WEEKS, Illustr. ; *N. tihoneta*, pl. xxii, fig. 1, p. 62, WEEKS, t. c.

Padraona tranquilla, *tabla*, p. 616, *silativa*, New Guinea, *batchiana*, Batjan, p. 617, SWINHOE, Ann. Nat. Hist. (7) xvi.

Pamphila roncilgonis, larva, JUNOD, p. 235, Bull. Soc. Neuchatel xxvii ; *P. viridenex*, pl. xiv, fig. 3, p. 52, *errator*, pl. xv, fig. 1, *argentea*, fig. 2, p. 53, *cusillunia*, fig. 3, p. 54, *vesana*, pl. xvi, fig. 1, p. 55, *coroicana*, fig. 2, *serenus*, fig. 3, p. 56, WEEKS, Illustr. ; *P. reedi*, pl. xxvi, fig. 1, p. 70, *alleni*, pl. xxvii, fig. 1, p. 71, *hurleyi*, fig. 2, p. 72, *leopardus*, pl. xxviii, fig. 1, p. 73, *taberi*, fig. 2, p. 74, *barbara*, fig. 3, p. 75, *warreni*, pl. xxix, fig. 2, p. 77, *cuadrada*, fig. 3, p. 78, *idee*, pl. xxx, fig. 1, p. 79, *artici*, pl. xxx, fig. 2, p. 79, *planus*, pl. xxxi, fig. 1, p. 80, *milesi*, fig. 2, p. 81, *briquenydan*, pl. xxxii, fig. 1, p. 82, *septimanus*, fig. 2, p. 83, *allianca*, pl. xxxiii, fig. 1, p. 83, *coroiconensis*, fig. 2, p. 82, WEEKS, t. c.

Parata alexis, larval habits, GREEN, p. 157, Spolia Zeylan. iii.

Paratrytone **n. g.** type *Pamphila howardi*, DYAR, p. 136, J. N. York Ent. Soc. xiii.

Prenes californica, pl. xxii, fig. 2, p. 63, WEEKS, Illustr.

Pyrqus pelagica, pl. i, fig. 5, p. 4, WEEKS, t. c.

P. delagoae (Trim.), Delagoa, JUNOD, p. 233, pl. ii, fig. 3, Bull. Soc. Neuchatel xxvii, **n. sp.**

Pyrrhopygopsis reedii, pl. xvii, p. 57, WEEKS, Illustr.

Pythonides hirta, pl. xlv, fig. 2, p. 104, WEEKS, t. c.

Syrichthus fritillum, chrysalis, pl. i, fig. 2, ROUGEMONT, Bull. Soc. Neuchatel xxix ; *S. nigella*, pl. xxix, fig. i, p. 76, WEEKS, Illustr.

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Telegonus tritonæ, pl. xxxiv, p. 85, WEEKS, Illustr. ; *T. finitimus*, pl. xxxviii, fig. 2, p. 90, WEEKS, t. c.

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Thanaos pernigra, California, GRINNELL, p. 34, Ent. News Philad. xvi, **n. sp.**

Thymele bridgmani, pl. xxxviii, fig. 1, p. 89, WEEKS, Illustr.

HETEROCERA.

Varr. n. of palæarctic *Heterocera*, SCHULTZ, pp. 115–122, Nyt Mag. Naturv. xliii [not recorded in detail here].

CASTNIIDÆ.

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Megathymus aryxna, Arizona, DYAR, p. 141, J. N. York Ent. Soc. xiii ; *M. polingi*, Arizona, SKINNER, p. 232, Ent. News Philad. xvi : **n. spp.**

Synemon monodesma, W. Australia, LOWER, p. 173, Tr. R. Soc. S. Austral. xxix, **n. sp.**

SPHINGIDÆ.

[Cf. AUSTAUT (44), BETHUNE-BAKER (108), CANNAVIELLO (276), NAGANO (1082), PACKARD (1131), ROTHSCHILD (1304), SPEISER (1433).]

The *Sphingidæ* of Japan, NAGANO (1082).

Sphingidæ phylogeny, derivation from *Ceratocampidæ*, pp. 34–40; *Sysphingina* and *Protosphingina*, pp. 49, 50 ; PACKARD, Mem. Ac. Washington ix.

Sphingidæ of Schwerin, with metamorphoses and variation, GILLMER, Arch. Ver. Mecklenb. lviii, pp. 64–69, and lix, pp. 99–120.

Borshomia **n. g.** for *Chærocampa komarovi*, AUSTAUT, p. 30, Ent. Zeitschr. Guben xix.

Ceratomia amyntor, life-history, PACKARD, pp. 30 etc., pl. xxxiv, Mem. Ac. Washington ix.

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Deilephila placida-torenia Dr., pl. viii, fig. 2, p. 95, BETHUNE-BAKER, P. Zool. Soc. London 1905, i ; *D. vespertilio* ab. n. *flava*, BLACHIER, p. 52, Bull. Soc. ent. France 1905.

Dilina tiliæ, var. nomenclature, SPEISER, pp. 170, 171, Zeitschr. Insbiol. i ; *D. tiliæ*, ab. *tilioides* Holle, GILLMER, p. 337, t. c. Zeitschr. Insbiol. i.

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Metopsilus porcellus var., GILLMER, p. 124, pl. vii, Arch. Ver. Mecklenb. lviii.

Protoparce euphorbiæ, larva, variation, VERITY, pp. 142–144, Bull. Soc. ent. Ital. xxxvi.

Psilogramma jordani, Fiji, BETHUNE-BAKER, p. 88, pl. viii, fig. 1, P. Zool. Soc. London 1905, i, **n. sp.**

Pterodonta **n. g.** for *Pterogon gorgoniades* H. S., AUSTAUT, p. 25, Ent. Zeitschr. Guben xxix.

Smerinthus populi, varr. nomenclature, SPEISER, pp. 171–174, Zeitschr. Insbiol. i ; *S. populi*, ab. *salicis* Holle, GILLMER, p. 327, Zeitschr. Insbiol. i.

Sphinx sequoiæ, larva, WILLIAMS, p. 153, Ent. News Philad. xvi.

Theretra polistratus, pl. v, fig. 13, JORDAN, p. 512, Nov. Zool. xii.

SESIIDÆ.

[Cf. AURIVILLIUS (41), PÜNGELER (1221, 1223).]

Bembecia marginata, habits and life-history, LAWRENCE, pp. 117–119, Ent. News Philad. xvi.

Episannina **n. g.** p. 44, *chalybea* **n. sp.**, W. Africa, p. 45, AURIVILLIUS, Arkiv Zool. ii, No. 12.

Melittia brevicornis, Cameroons, AURIVILLIUS, p. 43, t. c. **n. sp.**

Sesia flaviventris, larva and habits, LÜDERS, p. 382, Zeitschr. Insbiol. i.
S. seitzi, Algeria, PÜNGELER, p. 129, Soc. ent. xx; *S. bohatschi*, p. 268, *tancrei*, p. 269, Centr. Asia, PÜNGELER, Iris Dresden xvii; *S.* ? *xanthopyga*, W. Africa, AURIVILLIUS, p. 45, Arkiv Zool. ii, No. 12: **n. spp.**

BOMBYCES

(*s. l.*, including CHALCOSIIDÆ, PSYCHIDÆ, HEPIALIDÆ, COSSIDÆ, AGARISTIDÆ, and various families of more or less doubtful position. *Uraniidæ* and *Epiplemidæ*, and *Cymatophoridæ*, see GEOMETRIDÆ; *Thyrididæ*, see PYRALIDÆ).*

[Cf. AURIVILLIUS (40, 41), BARNES (77), BETHUNE-BAKER (108), BLACHIER (122), COVERDALE (373), DOGNIN (439, 440, 441, 442), DRUCE (454, 455), DUDGEON (465), DYAR (470, 471, 472), DZIURZYNSKI (486, 487), GIBSON (653), HAMPSON (716, 719), HUDSON (794), JUNOD (825), KÜNCKEL (903–907), LOWER (981), MARSHALL (1011), PACKARD (1131), PERKINS (1151), PIEPERS & SNELLEN (1203), PÜNGELER (1221), ROTHSCHILD (1304), ROTHSCHILD & JORDAN (1307), SCHAUS (1329), SCHWANGART (1367), SEIFERT (1374), SILVESTRI (1399), SKINNER (1406), SWINHOE (1456–1462), VÉRITY (1540), WARREN & ROTHSCHILD (1576).]

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Sex-organs, ♀ *Hemileuca maia*, MARSHALL, Tr. Wisconsin Ac. xxv, 14 pp., 2 plates.
Wild silkworms in Assam, E. ST., Soc. ent. xx, pp. 19 etc.
Source of irritation of hairs of processionary caterpillar, VAN ROSSUM, Tijdschr. Ent. xlviii, Versl. p. lxvii.

Acanthopsyche canarensis, India, HAMPSON, p. 193, J. Bombay Soc. xvi; *A.* (*Metisa*) *theivora*, Sikkim, DUDGEON, p. 400, J. Bombay Soc. xvi: **n. spp.**
Acossus **n. g.** type *C. undosus* Lintn., DYAR, p. 178, P. U. S. Mus. xxix.
Acraga infusa, *angulifera*, Guiana, SCHAUS, p. 332, P. U. S. Mus. xxix, **n. spp.**
Acragopsis **n. g.** *Dalceridæ*, DYAR, p. 176, *flavetta* **n. sp.**, French Guiana, SCHAUS, p. 332, t. c.
Adelocephala bicolor, and others, life-histories, PACKARD, pp. 65–90, pls. i–iii, Mem. Ac. Washington ix.
A. montezuma, Jalapa, PACKARD, p. 77, pl. xix, f. 6, pl. xxxvii, f. 3, pl. lxi, f. 3, t. c.; *A. purpurascens*, *plateada*, p. 182, *oda*, *pelota*, p. 183, Guiana, SCHAUS, P. U. S. Mus. xxix; *A. crispula*, Tucuman, *isara*, San Salvador, DOGNIN, p. 215, Naturaliste 1905: **n. spp.**
Ægocera venulia, larva, HAMPSON, p. 439, J. Bombay Soc. xvi.
Æmilia melanchra, Peru, SCHAUS, p. 226, P. U. S. Mus. xxix, **n. sp.**
Æthria aner, Venezuela, HAMPSON, p. 428. Ann. Nat. Hist. (7) xv, **n. sp.**
Agamopsyche **n. g.** *Epipyropidæ*, p. 83, *threnodes* **n. sp.**, Queensland, p. 84, PERKINS, Bull. exp. Stat. Hawaii i.
Aglia tau, variation of eye-spots, OBERTHÜR, p. 57, Bull. Soc. ent. France 1905; *A. tau* ab., pl. ii, f. 4, MÖBIUS, Iris Dresden xviii.

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* Owing to diversity of opinion as to *Chalcosiidæ*, *Epiplemidæ*, both *Bombyces* and *Geometridæ* should be inspected as regards these insects. As regards *Cymatophoridæ*, *Thyatiridæ*; *Noctuidæ* should also be looked through as well as *Bombyces* and *Geometridæ*.

Agylla delicia, *auranticaria*, *subvoluta*, p. 196, *sanctæ-johannis*, p. 197, French Guiana, SCHAUS, P. U. S. Mus. xxix, **n. spp.**
Ammalo helops var. n. *trujillaria*, DOGNIN, p. 148, Ann. Soc. ent. Belgique 1905.
Amaxia consistens, Guiana, SCHAUS, p. 212, P. U. S. Mus. xxix, **n. sp.**
Amsacta latinea, larva, pl. vii, figg. 1–3, p. 187, PIEPERS, Tijdschr. Ent. xlviii ; *A. albistriga*, larva, HAMPSON, p. 210, J. Bombay Soc. xvi.
A. seminigra, Abyssinia, HAMPSON, p. 447, Ann. Nat. Hist. (7) xv, **n. sp.**
Anacraga **n. g.** *Dalceridæ*, type *Dalcera citrina* Schaus, DYAR, p. 176, P. U. S. Mus. xxix.
Anadiasa cervina, Africa, AURIVILLIUS, p. 314, pl. xvi, f. 5, Tr. ent. Soc. London 1905, **n. sp.**
Anarchylus **n. g.** *Megalopygidæ*, type *Archylus mexicana* Schaus, DYAR, p. 177, P. U. S. Mus. xxix.
Anisota, life-histories, PACKARD, pp. 102–116, pls. xxix–xxxii, Mem. Ac. Washington ix.
Anita norella, p. 278, *syrta*, *galibensis*, *lassa*, p. 279, Guiana, SCHAUS, P. U. S. Mus. xxix, **n. spp.**
Antæa omana, Brit. Guiana, SCHAUS, p. 293, t. c. **n. sp.**
Antarctia fulvicollis, Chile, *phacocera*, Paraguay, HAMPSON, p. 448, Ann. Nat. Hist. (7) xv, **n. spp.**
Antaxia meridionalis, Peru, SCHAUS, p. 190, P. U. S. Mus. xxix, **n. sp.**
Anthela epicrypha, New South Wales, SWINHOE, p. 150, Ann. Nat. Hist. (7) xvi ; *A. niphomacula*, *callispila*, p. 175, *pyromacula*, p. 176, Australia, LOWER, Tr. R. Soc. S. Austral. xxix : **n. spp.**
Antiopha albolinea, Guiana, SCHAUS, p. 237, P. U. S. Mus. xxix, **n. sp.**
Apægocera **n. g.** *Agaristidæ*, *argyrogramma* **n. sp.**, Ashanti, HAMPSON, p. 449, Ann. Nat. Hist. (7) xv.
Apantesis ; the early stages of Canadian species, GIBSON, Canad. Ent. 1905, pp. 337–347.
Apatelodes pandarioides, Guiana, SCHAUS, p. 295, P. U. S. Mus. xxix, **n. sp.**
Aphyle cuneata, Brit. Guiana, HAMPSON, p. 440, Ann. Nat. Hist. (7) xv, **n. sp.**
Apocerca **n. g.** *Syntomidæ*, DYAR, p. 174, *sobria* **n. sp.**, French Guiana, SCHAUS, p. 193, P. U. S. Mus. xxix.
Aræomolis sanguinea, Cayenne, HAMPSON, p. 442, Ann. Nat. Hist. (7) xv, **n. sp.**
Arctia proxima, variation and natural history, SEIFERT, pp. 73–78, pl. iii, Canad. Ent. 1905 ; *A. villica* var., pl. ii, f. 8, MÖBIUS, Iris Dresden xviii ; *A. flavia* varr. n., LOREZ, p. 104, Mt. Schweiz. ent. Ges. xi.
Ardonea judaphila, Guiana, SCHAUS, p. 197, P. U. S. Mus. xxix, **n. sp.**
Argyrolepidia æqualis integra, JORDAN, pl. v, f. 2, p. 511, Nov. Zool. xii.
A. palæa, *lunaris*, New Guinea, ROTHSCHILD & JORDAN, p. 473, Nov. Zool. xii, **n. spp.**
Argyrophlebs simplex, W. Africa, AURIVILLIUS, p. 42, Arkiv Zool. ii, No. 12, **n. sp.**
Arhabdosia **n. g.** *Lithosiidæ*, DYAR, p. 174, *subvarda* **n. sp.**, French Guiana, SCHAUS, p. 201, P. U. S. Mus. xxix.
Arhacia elongata, Peru, SCHAUS, p. 243, t. c. **n. sp.**
Aroa campbelli, Madras, HAMPSON, p. 198, pl. D, f. 8, J. Bombay Soc. xvi, **n. sp.**
Ascaptesyle **n. g.** *Lithosiidæ*, DYAR, p. 175, *submarginata* **n. sp.**, Trinidad, SCHAUS, p. 201, P. U. S. Mus. xxix.
Asota latiradia, Babber Isld., p. 618, *symmorpha*, Saparua Isld., p. 619, SWINHOE, Ann. Nat. Hist. (7) xvi, **n. spp.**
Asura rhodina, New Guinea, ROTHSCHILD & JORDAN, p. 469, Nov. Zool. xii ; *A. chrysomela*, *hæmachroa*, *metascota*, Solomon Islds., HAMPSON, p. 438, Ann. Nat. Hist. (7) xv : **n. spp.**

Argyroeides flavicincta, Venezuela, DRUCE, p. 461, Ann. Nat. Hist. (7) xv, **n. sp.**
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Autochloris Hübn. = (*Bombiliodes*), HAMPSON, p. 427, Ann. Nat. Hist. (7) xv.
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Azatrephes **n. n.** for *Zatrephes* Hamps., HAMPSON, p. 420, Ann. Nat. Hist. (7) xv.
Bardaxima, type *lucilinea* Walk., SCHAUS, p. 233, P. U. S. Mus. xxix.
Baritius hæmorrhoides, Guiana, SCHAUS, p. 223, t. c. **n. sp.**
Beralade = (*Chilena* Walk. and *Lahena* Wallengr.), the African species, AURIVILLIUS, pp. 319–321, Tr. ent. Soc. London 1905.
B. bettoni, E. Africa, pl. xvi, f. 9, *simplex*, Natal, f. 6, id. p. 322, t. c.; *B. pura*, Sudan, WARREN & ROTHSCHILD, p. 23, pl. iv, f. 13, Nov. Zool. xii : **n. spp.**
Biopsyche **n. g.** type *Thanatopsyche apicalis* Hamps., DYAR, p. 178, P. U. S. Mus. xxix.
Blera nitida, p. 264, *lauta*, p. 265, Guiana, SCHAUS, P. U. S. Mus. xxix; *B. argentata*, Peru, DRUCE, p. 540, Ann. Nat. Hist. (7) xv : **n. spp.**
Bombiliodes cincta, F. Guiana, SCHAUS, p. 184, P. U. S. Mus. xxix, **n. sp.**
Bombycopsis conspersa, E. Africa, AURIVILLIUS, p. 322, pl. xvi, f. 4, Tr. ent. Soc. London 1905, **n. sp.**
Bombyx mori, oviposition, GAL, Bull. Soc. Nimes xxxii, pp. 68–71.
Boriza povera, Brit. Guiana, SCHAUS, p. 264, P. U. S. Mus. xxix, **n. sp.**
Brachychira **n. g.** *Notodontidæ, ferruginea* **n. sp.**, W. Africa, pl. iv, f. 6, AURIVILLIUS, p. 28, Arkiv Zool. ii, No. 12.
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Burgena reducta, pl. v, f. 6, JORDAN, p. 511, Nov. Zool. xii.
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Calosaturnia mendocino, early stages, WILLIAMS, p. 153, Ent. News Philad. xvi.
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C. metallica, ænea, New Guinea, ROTHSCHILD & JORDAN, p. 470, Nov. Zool. xii, **n. spp.**
Carama imparilis, flammicornis, Guiana, SCHAUS, p. 334, P. U. S. Mus. xxix, **n. spp.**
Casphalia nigridorsa, p. 40, *citrimaculata*, p. 41, W. Africa, AURIVILLIUS, Arkiv Zool. ii, No. 12, **n. spp.**

Celama albirufa, Guiana, SCHAUS, p. 194, P. U. S. Mus. xxix, **n. sp.**
Ceramidia chloroplegia, Venezuela, DRUCE, p. 462, Ann. Nat. Hist. (7) xv, **n. sp.**
Cerathosia idella, Arizona, BARNES, p. 193, Canad. Ent. 1905, **n. sp.**
Ceratocampidæ; PACKARD, Mem. Ac. Washington ix.
Ceratonema fusca, Khasia Hills, SWINHOE, p. 498, Ann. Nat. Hist. (7) xv, **n. sp.**
Cerura ? melanogylpta, S. Australia, LOWER, p. 177, Tr. R. Soc. S. Austral. xxix; *C. gonema*, *lancea*, Guiana, SCHAUS, p. 244, P. U. S. Mus. xxix: **n. spp.**
Chadisra multifida, p. 265, *C. ? cuculloides*, p. 266, Guiana, SCHAUS, t. c. **n. spp.**
Chalcosia electra, Borneo, SWINHOE, p. 149, Ann. Nat. Hist. (7) xv, **n. sp.**
Charagia sordida, New Guinea, ROTHSCHILD & JORDAN, p. 478, Nov. Zool. xii, **n. sp.**
Chionœma axiologa, Nias Isld., SWINHOE, p. 143, Ann. Nat. Hist. (7) xvi, **n. sp.**
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Chondrostegoides **n. g.** *Lasiocampidæ*, *capensis* **n. sp.**, Deelfontein, AURIVILLIUS, p. 324, Tr. ent. Soc. London 1905.
Chrostosoma pellucida, Peru, SCHAUS, p. 185, P. U. S. Mus. xxix, **n. sp.**
Chrysocyma **n. g.** *Lithosianæ*, *mesopotamia* **n. sp.**, Africa, HAMPSON, p. 435, Ann. Nat. Hist. (7) xv.
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Chrysopsyche imparilis, W. Africa, AURIVILLIUS, p. 34, t. c. **n. sp.**
Chrysostola discoplaga, Venezuela, SCHAUS, p. 189, P. U. S. Mus. xxix, **n. sp.**
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Cnethocampa pityocampa, at Villafranca, FRIEDRICHS, pp. 494–496, Zeitschr. Insbiol. i.
Cnidocampa **n. n.** for *Monema* Walk., DYAR, p. 952, P. U. S. Mus. xxviii.
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Ctenucha nantana Walk. (as *Ammalo*)=(*rubicunda* Dogn.), HAMPSON, p. 431, Ann. Nat. Hist. (7) xv.
C. rubicunda, Peru, DOGNIN, p. 10, Naturaliste 1905, **n. sp.**
Ctianopha argentilinea, serena, Guiana, SCHAUS, p. 234, P. U. S. Mus. xxix, **n. sp.**
Cyanopepla perspicua, Bolivia, SCHAUS, p. 189, t. c. **n. sp.**
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Dasylophia empirica, San Salvador, DOGNIN, p. 148, Ann. Soc. ent. Belgique 1905; *D. abnormis*, Guiana, SCHAUS, p. 242, P. U. S. Mus. xxix: **n. spp.**
Datana, origin of markings, larva, PACKARD, pp. 8, 9, phylogeny of species, p. 9, Mem. Ac. Washington ix.
Delorhachis schultzei, W. Africa, AURIVILLIUS, p. 39, Arkiv Zool. ii, No. 12, **n. sp.**
Delphyre Wlk.=(*Neacerea* Hamps.), *D. hebes*=(*Nodoza tristis* Schaus), HAMPSON, p. 430, Ann. Nat. Hist. (7) xv.
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Dipæna incontenta, Guiana, SCHAUS, p. 198, P. U. S. Mus. xxix, **n. sp.**

Diptilon proleuca, Venezuela, DRUCE, p. 462, Ann. Nat. Hist. (7) xv, **n. sp.**

Doclia cincta, *D.* ? *melaleuca*, New Guinea, ROTHSCHILD & JORDAN, p. 477, Nov. Zool. xii, **n. spp.**

Dyasia **n. g.** *Notodontidæ*, p. 231, *viviana* **n. sp.**, French Guiana, p. 232, SCHAUS, P. U. S. Mus. xxix.

Dylomia ochreata, *delicata*, *consobrina*, p. 276, *fragilis*, *pulverea*, *germana*, p. 277, Guiana, SCHAUS, t. c. **n. spp.**

Dysdæmonia lemoulti, French Guiana, SCHAUS, p. 180, t. c. **n. sp.**

Eacles, life-histories, PACKARD, pp. 116–128, pls. ix, xvii, xlviii etc., Mem. Ac. Washington ix.

E. guianensis, p. 180, *barnesi*, p. 181, *acuta*, p. 182, Brit. Guiana, SCHAUS, P. U. S. Mus. xxix, **n. spp.**

Edebessa circumcincta, p. 335, *languciata*, *megalopygæ*, p. 336, Guiana, SCHAUS, t. c.; *E. albida*, Peru, DOGNIN, p. 92, Naturaliste 1905 : **n. spp.**

Elysius phantasma, Guiana, SCHAUS, p. 223, P. U. S. Mus. xxix; *E. pyrosticta*, Brazil, HAMPSON, p. 443, Ann. Nat. Hist. (7) xv : **n. spp.**

Epectaptera discalis, *umbrescens*, Peru, SCHAUS, p. 194, P. U. S. Mus. xxix, **n. spp.**

Epiclea **n. g.** type *Perola elaea* Druce, DYAR, p. 372, P. U. S. Mus. xxix.

Epipinconia umbrifera, Guiana, SCHAUS, p. 333, P. U. S. Mus. xxix, **n. sp.**

Epiperola lagoaphila, p. 382, *perornata*, *sombra*, p. 283, S. America, DYAR, P. U. S. Mus. xxix, **n. spp.**

Epiphora bauhiniæ, larva and cocoon, pl. i, fig. 3, AURIVILLIUS, p. 29, Arkiv Zool. ii.

E. schultzei, W. Africa, pl. iv, fig. 1, p. 30, id. t. c. **n. sp.**

Epipyropidæ n. fam. allied to *Fumea* and *Psychidæ*, for *Epipyrops* and 3 genn. n. *Palæopsyche*, *Agamopsyche*, *Heteropsyche*, PERKINS, p. 79, Bull. exp. Stat. Hawaii i.

Episibine intensa, *sibinides*, S. America, DYAR, p. 361, P. U. S. Mus. xxix, **n. spp.**

Epitalara **n. g.** *Lithosiidæ*, DYAR, p. 175, *reversa* **n. sp.**, French Guiana, SCHAUS, p. 205, t. c.

Eragisa bocra, Guiana, SCHAUS, p. 237, t. c. **n. sp.**

Eriomastyx **n. g.** *Arctiidæ* near *Schistophleps*, *latus* **n. sp.**, New Guinea, ROTHSCHILD & JORDAN, p. 469, Nov. Zool. xii.

Eriostepta bacchans, Guiana, SCHAUS, p. 212, P. U. S. Mus. xxix, **n. sp.**

Estigmene unipuncta, E. Africa, *internigralis*, Natal, HAMPSON, p. 447, Ann. Nat. Hist. (7) xv, **n. spp.**

Eucereon balium to *Heliura*, HAMPSON, p. 430, t. c.; *E. metoidesis* n. n. for 1074 Hamps. Synt., HAMPSON, l. c.

E. atrigutta, p. 464, *leprota*, p. 465, Venezuela, DRUCE, Ann. Nat. Hist. (7) xv; *E. dorsipuncta*, Venezuela, p. 430, *ochrota*, Jamaica, p. 431, HAMPSON, Ann. Nat. Hist. (7) xv; *E. carabayana*, p. 191, *flavicincta*, *meruloides*, *lemoulti*, S. America, SCHAUS, p. 192, P. U. S. Mus. xxix; *E. formosum*, p. 9, *robusculum*, p. 10, Peru, DOGNIN, Naturaliste 1905 : **n. spp.**

Euchromia plagosa, New Pomerania, p. 495, *shortlandica*, *salomonis*, *collaris*, Solomon Ids., p. 496, SWINHOE, Ann. Nat. Hist. (7) xv, **n. spp.**

Euclea mira n. n. for *Parasa incisa* N. & D. nec Harv., DYAR, p. 367, P. U. S. Mus. xxix.

E. cipior, p. 367, *permodesta*, *pallicolor*, *cuspostriga*, p. 368, S. America, *dolliana*, Arizona, *bidiscalis*, Panama, p. 369, DYAR, t. c. **n. spp.**
Eudoliche longa, Guiana, SCHAUS, p. 198, P. U. S. Mus. xxix, **n. sp.**
Eumaschane **n. g.** *Notodontidæ*, *laura* **n. sp.**, French Guiana, SCHAUS, p. 241, t. c.
Euphobetron **n. g.** *Limacodidæ*, *aquapennis*, *cupreitincta*, p. 387, *natadoides*, p. 388, **n. spp.**, S. America, DYAR, P. U. S. Mus. xxix.
Euproctis chrysorrhœa ab. pl. ii, fig. 1, MÖBIUS, Iris Dresden xviii.
E. macrostigma, Ceylon, pl. D, fig. 29, *laniata*, figg. 10, 11, *fulvinigra*, fig. 4, *xanthosticta*, figg. 12, 13, India, HAMPSON, p. 200, J. Bombay Soc. xvi; *E. dirtea*, Borneo, SWINHOE, p. 151, Ann. Nat. Hist. (7) xv : **n. spp.**
Euprosterna **n. g.** near *Natada*, *elæana*, Mexico to Guiana, *pernambuconis*, p. 377, Brazil, **n. spp.**, DYAR, P. U. S. Mus. xxix.
Eupseudosoma aberrans, Mexico, SCHAUS, p. 211, P. U. S. Mus. xxix, **n. sp.**
Eurhodia **n. g.** *Saturniidæ*, *gyra* **n. sp.**, New Guinea, ROTHSCHILD & JORDAN, p. 466, Nov. Zool. xii.
Eurosa acanthocera, Sangir, HAMPSON, p. 434, Ann. Nat. Hist. (7) xv, **n. sp.**
Eurota xanthosoma, Argentina, HAMPSON, p. 428, t. c. **n. sp.**
Eurynola **n. g.** *Nolinæ* type *mesoleuca* Lower, HAMPSON, p. 432, t. c.
Eusemia vetula, larva, pl. vii, fig. 6, p. 195, PIEPERS, Tijdschr. Ent. xlviii.
Eutane nivea, Pulo Laut, HAMPSON, p. 439, Ann. Nat. Hist. (7) xv, **n. sp.**
Euzeugapteryx **n. g.** *Lithosiidæ*, DYAR, p. 175, *speciosa* **n. sp.**, French Guiana, SCHAUS, p. 205, P. U. S. Mus. xxix.
Evius albiscripta, Guiana, SCHAUS, p. 213, t. c. **n. sp.**
Farigia magniplaga, p. 242, *fragilis*, p. 243, Guiana, SCHAUS, t. c. **n. spp.**
Gastroplakæis schultzei, W. Africa, AURIVILLIUS, pl. iv, fig. 5, p. 37, Arkiv Zool. ii, No. 12; *G. rufescens*, W. Africa, AURIVILLIUS, p. 314, pl. xvi, fig. 10, Tr. ent. Soc. London 1905 : **n. spp.**
Gerarctia **n. g.** *Arctiidæ*, p. 448, *poliotis* **n. sp.**, Canaries, p. 449, HAMPSON, Ann. Nat. Hist. (7) xv.
Glaucostola flavida, *binotata*, Guiana, *metaxantha*, Costa Rica, SCHAUS, p. 221, P. U. S. Mus. xxix, **n. spp.**
Ginaldia **n. g.** *Notodontidæ*, *davidsoni* **n. sp.**, French Guiana, SCHAUS, p. 282, t. c.
Givira triplex, Guiana, SCHAUS, p. 342, t. c.; *G. chiclin*, p. 149, *moche*, p. 150, Peru, DOGNIN, Ann. Soc. ent. Belgique 1905 : **n. spp.**
Gonometa postica ♂ ♀, JUNOD, pl. iii, Bull. Soc. Neuchatel xxvii.
G. regia, Uganda, AURIVILLIUS, p. 313, pl. xvi, fig. 3, Tr. ent. Soc. London 1905, **n. sp.**
Gois **n. g.** *Megalopygidæ*, DYAR, p. 177, *nigrescens* **n. sp.**, Brit. Guiana, SCHAUS, p. 338, P. U. S. Mus. xxix.
Gonimbrasia nictitans, larva, AURIVILLIUS, p. 30, pl. ii, figg. 3, 4, Arkiv Zool. ii, No. 12.
Gopha niveigutta, Guiana, SCHAUS, p. 245, P. U. S. Mus. xxix, **n. sp.**
Gymnelia pitthea and *cocho* to *Pseudosphenoptera*, *pitthea* being ♂ of *P. basalis*, HAMPSON, p. 427, Ann. Nat. Hist. (7) xv.
G. tarsipuncta, Brazil, SCHAUS, p. 184, P. U. S. Mus. xxix, **n. sp.**
Halisidota discalis Walk. = (*Azatrephes pardisea*), HAMPSON, p. 430, Ann. Nat. Hist. (7) xv.
H. racema, *maroniensis*, Guiana, p. 223, *apicepunctata*, Peru, p. 224, SCHAUS, P. U. S. Mus. xxix, **n. spp.**
Hapigia repandens, Mexico and S. America, p. 291, *gaudens*, *annulata*, *aymara*, Guiana, p. 292, SCHAUS, t. c. **n. spp.**
Haplopacha **n. g.** near *Chondrostega*, p. 323, *cinerea* **n. sp.**, Rhodesia, p. 324, AURIVILLIUS, Tr. ent. Soc. London 1905.
Heliura phacosoma, *zonata*, Venezuela, DRUCE, p. 464, Ann. Nat. Hist. (7)

xv; *H. dolens*, *umbrimacula*, S. America, SCHAUS, p. 191, P. U. S. Mus. xxix : **n. spp.**

Hemerocampa leucostigma, no. of eggs, GIRAULT, p. 167, Ent. News Philad. xvi.

Hemiceras affinis, Peru, *buckleyi*, Ecuador, DRUCE, p. 542, Ann. Nat. Hist. (7) xv; *H. indigna*, *undilinea*, *jejuna*, p. 283, *satelles*, *beata*, *gortynoides*, p. 284, *crassa*, *commentica*, p. 285, *longipennis*, *flava*, *maronita*, p. 286, *stupida*, *cayennensis*, *flavescens*, p. 287, *laurentina*, *manora*, p. 288, *metallescens*, *conspirata*, S. America, *micans*, Mexico, p. 289, *nebulosa*, *nigriplaga*, *muscosa*, p. 290, *poulsoni*, p. 291, S. America, SCHAUS, P. U. S. Mus. xxix : **n. spp.**

Hemipecten **n. g.** *Cossidæ*, DYAR, p. 177, *ecparilis*, *acutipenais*, *cossuloides*, p. 340, *niveogrisea*, *rotundopuncta*, *marmorata*, p. 341, French Guiana, **n. spp.**, SCHAUS, P. U. S. Mus. xxix.

Heniocha terpsichore, larva, pl. ii, fig. 1, AURIVILLIUS, p. 34, Arkiv Zool. ii.

Heorta carema, Guiana, SCHAUS, p. 233, P. U. S. Mus. xxix, **n. sp.**

Hepaliopsis **n. g.** type *Semyra agemytha* Dr., DYAR, p. 374, P. U. S. Mus. xxix.

Hepialiscus algeriensis ab. n. *joannisi*, LUCAS, p. 53, pl. v, fig. 1, Ann. Soc. ent. France 1905.

Hepialus pyrenaicus, early stages, XAMBEU, pp. 14–16, Naturaliste 1905; *H. sequiolus*, larva, WILLIAMS, pp. 19, 20, Ent. News Philad. xvi; *H. sequiolus*, larval habits and life-history, WILLIAMS, pp. 283–287, t. c.

Herea xanthogaster=(*Desmidocnemis prittwitzi*), HAMPSON, p. 429, Ann. Nat. Hist. (7) xv.

Herpa meeki=(*Pidorus ericydes* Swinh.), ROTHSCHILD & JORDAN, p. 475, Nov. Zool. xii.

Herpolasia **n. g.** *Chalcosiidæ*, *augarra* **n. sp.**, New Guinea, and incl. *C. albomedia* Rothsch., iid. t. c.

Heterocampa wymola, Arizona, BARNES, p. 214, Canad. Ent. 1905; *H. lama*, *gravis*, p. 249, *infanda*, *habilis*, p. 250, *bactrea*, *echina*, *delira*, p. 251, *foliata*, *cariosa*, p. 252, *marginalis*, *æmula*, *notabilis*, p. 253, *otiosa*, *patricia*, *caluna*, p. 254, *poulsoni*, *subalbida*, p. 255, SCHAUS, P. U. S. Mus. xxix; *H. multilineata*, Tucuman, DOGNIN, p. 148, Ann. Soc. ent. Belgique 1905 : **n. spp.**

Heterogynis, larval habits, matrivorous, CHAPMAN, pp. 177–184, Tr. ent. Soc. London 1905.

Heteropan alberti, New Guinea, ROTHSCHILD & JORDAN, p. 475, Nov. Zool. xii, **n. sp.**

Heteropsyche **n. g.** *Epipyropidæ*, p. 81, *pœcilochroma*, *melanochroma*, p. 82, *micromorpha*, *dyscrita*, *stenomorpha*, p. 83, **n. spp.**, Australia, PERKINS, Bull. exp. Stat. Hawaii i.

Hippia undulata, Colombia, DRUCE, p. 540, Ann. Nat. Hist. (7) xv; *H. salandera*, Guiana, SCHAUS, p. 243, P. U. S. Mus. xxix : **n. spp.**

Homoneuronia **n. g.** *Syntomidæ*, DYAR, p. 174, *modesta* **n. sp.**, Guiana, SCHAUS, p. 188, P. U. S. Mus. xxix.

Hyaleucerea leucosticta, Venezuela, DRUCE, p. 466, Ann. Nat. Hist. (7) xv; *H. phæosoma*, Paraguay, HAMPSON, p. 431, Ann. Nat. Hist. (7) xv : **n. spp.**

Hyalomis **n. n.** for *Desmidocnemis*, HAMPSON, p. 429, t. c.

Hydrias gurda, *congruens*, Peru, *canescens*, Venezuela, DOGNIN, p. 120, Naturaliste 1905, **n. spp.**

Hypermæpha maroniensis, Guiana, SCHAUS, p. 199, P. U. S. Mus. xxix, **n. sp.**

Hyperthæma ruberrima, p. 221, *coccinata*, p. 222, Guiana, SCHAUS, t. c. **n. spp.**

Hypidalia sanguirenà, Guiana, SCHAUS, p. 220, t. c. **n. sp.**

Hypocladia elongata, Venezuela, *albipuncta*, Peru, DRUCE, p. 461, Ann. Nat. Hist. (2) xv, **n. spp.**

Hypomolis minca, Mexico, SCHAUS, p. 227, P. U. S. Mus. xxix, **n. sp.**

Hyponerita interna, *lucens*, *furva*, p. 228, *carinaria*, *declivis*, *incerta*, p. 229, Guiana, SCHAUS, t. c. **n. spp.**

Hypopta inguromorpha, *crassiplaga*, *triarctata*, p. 343, French Guiana, SCHAUS, t. c. **n. spp.**

Hypsa donatana, pl. D, fig. 20, p. 201, HAMPSON, J. Bombay Soc. xvi.

Ichoria chrostomides, Guiana, SCHAUS, p. 187, P. U. S. Mus. xxix, **n. sp.**

Idalus rubens, *laurentia*, p. 207, *neja*, *flavoplaga*, *albicoxæ*, p. 208, *catenata*, p. 209, S. America, SCHAUS, t. c. **n. spp.**

Idonauton nigribasis, India, pl. D, fig. 31, p. 196, HAMPSON, J. Bombay Soc. xvi, **n. sp.**

Ilema henleyi, Sudan, WARREN & ROTHSCHILD, p. 23, pl. iv, fig. 31, Nov. Zool. xii; *I. fuscifrons*, New Guinea, HAMPSON, p. 433, Ann. Nat. Hist. (7) xv : **n. spp.**

Illiberis pruni, Japan, DYAR, p. 954, P. U. S. Mus. xxviii, **n. sp.**

Illice faustinula, early stages, synonymy, WILLIAMS, p. 257, Ent. News Philad. xvi.

I. abala, *subrubra*, *pygmæa*, *rubricollis*, French Guiana, SCHAUS, p. 200, P. U. S. Mus. xxix; *I. triplaga*, *roseiceps*, Paraguay, *rhodocraspis*, Argentina, HAMPSON, p. 436, Ann. Nat. Hist. (7) xv : **n. spp.**

Isanthrene fulvipuncta, Panama, HAMPSON, p. 427, t. c. **n. sp.**

Isbarta pieridoides, sexes and variation, p. 148, *I. binghami* Butl. =(*cyanescens* Hamps.), *I. curiosa* Swinh. =(*aspasia* Snell.) p. 149, SWINHOE, Ann. Nat. Hist. (7) xvi.

Ischnocampa deceptura, *flavicosta*, *barbata*, Peru, DRUCE, p. 466, Ann. Nat. Hist. (7) xv, **n. spp.**

Ixylasia pyroproctis, Venezuela, DRUCE, p. 462, Ann. Nat. Hist. (7) xv; *I. semivitreata*, Brazil, HAMPSON, p. 429, Ann. Nat. Hist. (7) xv : **n. spp.**

Kaseria **n. g.** *Notodontidæ*, *pallida* **n. sp.**, French Guiana, SCHAUS, p. 283, P. U. S. Mus. xxix.

Lacosoma otalla, Guiana, SCHAUS, p. 330, t. c. **n. sp.**

Lælia suffusa, *testacea*, larvæ, HAMPSON, p. 198, J. Bombay Soc. xvi.

L. euproctina, W. Africa, AURIVILLIUS, p. 26, Arkiv Zool. ii, No. 12, **n. sp.**

Lasiocampa josua var. n. *vaucheri*, BLACHIER, p. 52, Bull. Soc. ent. France 1905; *L. quercus* ab. n. *paradoxa*, FRINGS, p. 89, Soc. ent. xx; but t. c. p. 99 is *olivaceo-fasciata* Cock.

Lebedodes? schultzei, Niger, AURIVILLIUS, p. 41, Arkiv Zool. ii, No. 12, **n. sp.**

Lechriolepis pulchra, Centr. Africa, AURIVILLIUS, p. 318, pl. xvi, f. 12, Tr. ent. Soc. London 1905, **n. sp.**

Lenodora hyalomelæna, Madras, pl. D, f. 9, p. 197, HAMPSON, J. Bombay Soc. xvi, **n. sp.**

Lentagena **n. g.** for *Eugivira nudria* Schaus, DYAR, p. 178, P. U. S. Mus. xxix.

Lepasta maonica, *maltha*, p. 239, *viridis*, p. 240, Guiana, SCHAUS, P. U. S. Mus. xxix, **n. spp.**

Leucotmensis albigutta, p. 185, *thoracica*, p. 186, Guiana, SCHAUS, t. c. **n. spp.**

Limacodes oropeso, Arizona, BARNES, p. 216, Canad. Ent. 1905, **n. sp.**

Limacodidæ; table of genera of New World, DYAR, p. 359, P. U. S. Mus. xxix.

Liparis chrysorrhea and Thabor oaks at Rennes, HOULBERT, Bull. Soc. Sci. Med. Ouest France xiv, pp. 113–118.

Lobeza smithi, Colombia, DRUCE, p. 542, Ann. Nat. Hist. (7) xv; *L. minor*, Guiana, SCHAUS, p. 274, P. U. S. Mus. xxix : **n. spp.**

Loxophlebia cinctata, Venezuela, HAMPSON, p. 428, Ann. Nat. Hist. (7) xv; *L. geminata*, French Guiana, SCHAUS, p. 185, P. U. S. Mus. xxix: **n. spp.**
Lusura plorabilis, Guiana, SCHAUS, p. 275, t. c. **n. sp.**
Lycomorphodes epatra, Guiana, SCHAUS, p. 202, t. c. **n. sp.**
Lymantria moesta, pl. D, f. 22, HAMPSON, p. 199, J. Bombay Soc. xvi.
Macrobrochis flavicincta, pl. D, f. 21, Cachar, HAMPSON, p. 202, t. c. **n. sp.**
Macrocneme maroniensis, Guiana, SCHAUS, p. 188, P. U. S. Mus. xxix, **n. sp.**
Macroplectra ceylonica, Ceylon, *inconspicua*, Bombay, HAMPSON, p. 196, J. Bombay Soc. xvi, **n. spp.**
Macrothylacia rubi subsp. n. *digramma*, pl. xix, f. 10, MEADE-WALDO, p. 390, Tr. ent. Soc. London 1905.
Mænas maculifascia, larva, pl. vi, f. 1, p. 181, PIEPERS, Tijdschr. Ent. xlivii.
M. fosteri, Paraguay, HAMPSON, p. 446, Ann. Nat. Hist. (7) xv, **n. sp.**
Mahasena destructor, Sikkim, DUDGEON, p. 401, J. Bombay Soc. xvi, **n. sp.**
Malocampa paramaribena, p. 255, *piratica*, *maroniensis*, p. 256, *amanthis*, *gastriva*, *eugenia*, p. 257, *sorex*, *tætrica*, p. 258, *gemonia*, *spurca*, *broma*, p. 259, *mayeri*, p. 260, Guiana, SCHAUS, P. U. S. Mus. xxix, **n. spp.**
Malupa **n. g.** *Notodontidæ*, p. 245, *elongata* **n. sp.**, Brit. Guiana, p. 246, SCHAUS, t. c.
Manoba Walk. = (*Stictane*), *M. implens* = (*S. junctilinea*), HAMPSON, p. 434, Ann. Nat. Hist. (7) xv.
Marthula grisescens, p. 235, *castrensis*, *hirsuta*, p. 236, *minna*, p. 237, S. America, SCHAUS, P. U. S. Mus. xxix, **n. spp.**
Maschane frondea, Guiana, SCHAUS, p. 268, t. c. **n. sp.**
Megalopygidæ; synopsis of genera, SCHAUS, p. 333, t. c.
Melanothrix fumosa, Borneo, SWINHOE, p. 142, Ann. Nat. Hist. (7) xvi, **n. sp.**
Melastrota **n. g.** *Lithosianæ*, type *nigrisquamata* Swinh., HAMPSON, p. 439, Ann. Nat. Hist. (7) xv.
Melese castrena Brazil, *chiriquensis*, Panama, SCHAUS, p. 220, P. U. S. Mus. xxix, **n. spp.**
Meragisa arida, *arenosa*, p. 266, *submarginata*, p. 267, S. America, SCHAUS, t. c.; *M. garlepi*, Bolivia, *semifulva*, Peru, DRUCE, p. 541, Ann. Nat. Hist. (7) xv: **n. spp.**
Mesocia lorna, p. 336, *terminata*, p. 337, Guiana, SCHAUS, P. U. S. Mus. xxix, **n. spp.**
Mesothen cœruleicorpus, Bolivia, *nanum*, Surinam, SCHAUS, p. 185, t. c.; *M. endoleuca*, Venezuela, *ockendeni*, Peru, DRUCE, p. 460, Ann. Nat. Hist. (7) xv: **n. spp.**
Metabolosia invarda, Guiana, SCHAUS, p. 201, P. U. S. Mus. xxix, **n. sp.**
Metacrocea **n. g.** *Syntomidæ*, DYAR, p. 173, *postflava* **n. sp.**, Brazil, SCHAUS, p. 193, t. c.
Metanastria lemoulti, Guiana, SCHAUS, p. 316, t. c. **n. sp.**
Metarbela triguttata, W. Africa, AURIVILLIUS, p. 41, Arkiv Zool. ii, No. 12, **n. sp.**
Metarctia hæmatricha, Abyssinia, HAMPSON, p. 426, Ann. Nat. Hist. (7) xv, **n. sp.**
Metopoceras gauckleri, Jordan Valley, PÜNGELER, p. 267, Iris Dresden xvii, **n. sp.** Noctuid.
Metoxanthia threnodes, Venezuela, DRUCE, p. 467, Ann. Nat. Hist. (7) xv, **n. sp.**
Metraga rubicolor, Nicaragua, DYAR, p. 370, P. U. S. Mus. xxix, **n. sp.**
Miacora **n. g.** *Cossidæ*, type *Cossus tropicalis* Schaus, DYAR, p. 177, t. c.
Microhyle **n. g.** *Lithosianæ*, type *fadella* Mab., HAMPSON, p. 437, Ann. Nat. Hist. (7) xv.

Mimopacha tripunctata, Niger, AURIVILLIUS, p. 36, pl. iii, f. 8, Arkiv Zool. ii, No. 12, **n. sp.**

Minacraga **n. g.** *Dalceridæ*, DYAR, p. 176, *disconitens* **n. sp.**, French Guiana, SCHAUS, p. 331, P. U. S. Mus. xxix.

Minonoa **n. g.** *Dalceridæ*, DYAR, p. 176, *perbella* **n. sp.**, Petropolis, SCHAUS, p. 332, t. c.

Miresa venosa, San Salvador, DYAR, p. 372, t. c. **n. sp.**

Monda heylaertsi, Delagoa, JUNOD, p. 249, pl. iv, f. 4, Bull. Soc. Neuchatel xxvii, **n. sp.**

Napata euchloa, Jamaica, HAMPSON, p. 429, Ann. Nat. Hist. (7) xv, **n. sp.**

Natada deba, *debella*, *dognini*, p. 379, *bergii*, *increscens*, *sufficiens*, *incandescens*, p. 380, *perpectinata*, *subpectinata*, p. 381, S. America, DYAR, P. U. S. Mus. xxix, **n. spp.**

Navarcostes **n. g.** *Notodontidæ*, *limnatis* **n. sp.**, French Guiana, SCHAUS, p. 280, P. U. S. Mus. xxix.

Neacerea pyrozona, *rhodocrypta*, *discalis*, *flaviceps*, Venezuela, DRUCE, p. 463, Ann. Nat. Hist. (7) xv, **n. spp.**

Neëressa **n. g.** *Syntomidæ* type *sagada* Semp., HAMPSON, p. 426, Ann. Nat. Hist. (7) xv.

Neaxia gnosia, p. 211, *bella*, p. 212, Guiana, SCHAUS, P. U. S. Mus. xxix, **n. sp.**

Neoscaptia albata, p. 470, *æqualis*, *leucodera*, p. 471, *pœcila*, p. 472, New Guinea, ROTHSCHILD & JORDAN, Nov. Zool. xii, **n. spp.**

Neritos onytes, *psamas*, sexes, HAMPSON, p. 443, Ann. Nat. Hist. (7) xv.

N. carmen, *coccinea*, p. 224, *gaudialis*, *tremula*, *maculosa*, p. 225, *chrysozona*, *prophæa*, *sanguidorsia*, p. 226, French Guiana, SCHAUS, P. U. S. Mus. xxix; *N. macrostidza* (=1543 Cat. Lep. Phal.) p. 443, *discobola*, Venezuela, *leucoplaga*, *holophæa*, p. 444, *phæoplaga*, *albicollis*, *steniptera*, p. 445, *cyclopera*, p. 446, Guiana, HAMPSON, Ann. Nat. Hist. (7) xv : **n. spp.**

Nesebra **n. g.** *Notodontidæ*, *norema* **n. sp.**, French Guiana, SCHAUS, p. 275, P. U. S. Mus. xxix.

Nodozana bellicula, Guiana, SCHAUS, p. 201, t. c. **n. sp.**

Nola bicincta, Cape Colony, HAMPSON, p. 432, Ann. Nat. Hist. (7) xv; *N. brachystria*, India, pl. D, f. 16, p. 435, HAMPSON, J. Bombay Soc. xvi; *N. mesographa*, Guiana, SCHAUS, p. 195, P. U. S. Mus. xxix : **n. spp.**

Notoplusia eugenia, p. 248, *sabrena*, p. 249, Guiana, SCHAUS, t. c. **n. spp.**

Nystalea porgana, *sequora*, p. 232, *marona*, Guiana, p. 233, SCHAUS, t. c. **n. spp.**

Ochrostigma melagona ab. n. *melanochroa*, SCHULTZ, p. 91, Jahresber. Wien. ent. Ver. 1904.

Ocinaropsis **n. g.** *Lasiocampidæ*, *obscura* **n. sp.**, Natal, AURIVILLIUS, p. 317, Tr. ent. Soc. London 1905.

Ocnogyna baetica, life-history, POWELL, pp. 237–240, pl. ix, Ent. Rec. xvii; *O. baetica*, CHAPMAN, t. c. p. 265, pl. x.; *O. baeticum*, natural history, ravages, SILVESTRI, Bull. Scuol. Agric. Portici (2) No. 10, 12 pp.

Odonestis fossa, pl. D, f. 14, HAMPSON, p. 198, J. Bombay Soc. xvi.

Odontocheilopteryx griseata, Sudan, WARREN, p. 22, Nov. Zool. xii; *O. maculata*, W. Africa, AURIVILLIUS, p. 36, pl. iii, f. 5, Arkiv Zool. ii, No. 12 : **n. spp.**

Odontosia ? viridifusca, Brit. Guiana, SCHAUS, p. 278, P. U. S. Mus. xxix, **n. sp.**

Odozana unica, Mexico, SCHAUS, p. 199, t. c. **n. sp.**

Oiketicus specter, Venezuela, SCHAUS, p. 344, t. c. **n. sp.**

Olceclostera moresca, *anna*, *lepida*, p. 296, *oriunda*, *O. ? ostenta*, *O. umbrilinea*, p. 297, S. America, SCHAUS, t. c. **n. spp.**

Olyra rectilineata, Gazaland, AURIVILLIUS, p. 323, pl. xvi, f. 7, Tr. ent. Soc. London 1905, **n. sp.**

Opsaroa **n. g.** *Lithosianæ*, *fulvinota* **n. sp.**, Cape Colony, HAMPSON, p. 437, Ann. Nat. Hist. (7) xv.

Oreta figlina, Java, SWINHOE, p. 142, Ann. Nat. Hist. (7) xvi ; *O. hypocalla*, Queensland, LOWER, p. 179, Tr. R. Soc. S. Austral. xxix : **n. spp.**

Orgyia sicula new form *etrusca*, VERITY, p. 187, Bull. Soc. ent. Ital. xxxvi.

O. etrusca, Florence, VERITY, p. 59, Bull. Soc. ent. France 1905 ; *O. hemicalla*, *retinopepla*, Australia, LOWER, p. 176, Tr. R. Soc. S. Austral. xxix : **n. spp.**

Ovipennis binghami, pl. D, f. 18, HAMPSON, p. 434, J. Bombay Soc. xvi.

Pachydota ducasa, Venezuela, SCHAUS, p. 222, P. U. S. Mus. xxix, **n. sp.**

Pachypasa bilinea, pl. iv, f. 4, larva, pl. v, f. 1, AURIVILLIUS, p. 36, Arkiv Zool. ii, No. 12.

Palæopsyche **n. g.** *Epipyropidæ*, *melanias* **n. sp.**, Queensland, PERKINS, p. 80, Bull. exp. Stat. Hawaii i.

Palpifer pellicia, Khasia Hills, SWINHOE, p. 152, Ann. Nat. Hist. (7) xv, **n. sp.**

Pamcolma **n. g.** *Notodontidæ*, p. 280, *marita*, *refervens* **n. spp.**, French Guiana, p. 281, SCHAUS, P. U. S. Mus. xxix.

Pantana ochrota, Travancore, HAMPSON, pl. D, figg. 33, 34, p. 198, J. Bombay Soc. xvi, **n. sp.**

Paraclea **n. g.** near *Euclea* type *dolita* Schaus, DYAR, p. 369, P. U. S. Mus. xxix.

Paracossus **n. g.** *Cossidæ*, *parva*, Ceylon, p. 194, *furcata*, pl. D, f. 30, Pegu, p. 195, **n. spp.**, HAMPSON, J. Bombay Soc. xvi.

Paracraga **n. g.** *Dalceridæ*, DYAR, p. 176, *innocens* **n. sp.**, French Guiana, SCHAUS, p. 331, P. U. S. Mus. xxix.

Paranerita carminata, *complicata*, Guiana, SCHAUS, p. 227, t. c. **n. spp.**

Parapalosia **n. g.** *Lithosiidæ*, DYAR, p. 174, *cinderella* **n. sp.**, French Guiana, SCHAUS, p. 197, t. c.

Parasa euchlora, larva, fig. 8, p. 40, AURIVILLIUS, Arkiv Zool. ii, No. 12.

P. adamauana, W. Africa, AURIVILLIUS, p. 39, t. c. ; *P. insignis*, Borneo, SWINHOE, p. 151, Ann. Nat. Hist. (7) xv ; *P. schausi*, Guiana, DYAR, p. 366, P. U. S. Mus. xxix : **n. spp.**

Parashada **n. g.** *Lithosianæ*, p. 433, *truncata* **n. sp.**, Sula Mongoli, p. 434, HAMPSON, Ann. Nat. Hist. (7) xv.

Paratalara **n. g.** *Lithosiidæ*, DYAR, p. 175, *inversa* **n. sp.**, French Guiana, SCHAUS, p. 203, P. U. S. Mus. xxix.

Parevia methæmia, Guiana, SCHAUS, p. 213, t. c. ; *P. metachryseis*, Surinam, HAMPSON, p. 443, Ann. Nat. Hist. (7) xv : **n. spp.**

Pericallia obliquifascia, larva, pl. vii, figg. 4, 5, p. 191, PIEPERS, Tijdschr. Ent. xlviii.

Peroara **n. g.** *Notodontidæ*, *sylvestris* **n. sp.**, French Guiana, SCHAUS, P. U. S. Mus. xxix.

Perola affinis, *petropolis*, S. America, *penumbra*, San Salvador, p. 384, *burchelli*, p. 385, *umber*, p. 386, S. America, DYAR, P. U. S. Mus. xxix, **n. spp.**

Perophora imperita, Peru, *rosea*, Colombia, DOGNIN, p. 120, Naturaliste 1905, **n. spp.**

Phæosia orientalis, Borneo, HAMPSON, p. 433, Ann. Nat. Hist. (7) xv ; *P. brunnea*, Borneo, Sumatra, HAMPSON, p. 497, t. c. : **n. spp.**

Phaio Neum. = (*Mydropastæa*) HAMPSON, p. 428, t. c.

P. cœruleonigra, Peru, SCHAUS, p. 188, P. U. S. Mus. xxix, **n. sp.**

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Philotherma sordida, W. Africa, AURIVILLIUS, p. 318, pl. xvi, fig. 2, Tr. ent. Soc. London 1905, **n. sp.**
Phryganopsis unipuncta, Algeria, HAMPSON, p. 433, Ann. Nat. Hist. (7) xv, **n. sp.**
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Poresta sericea, *olivescens*, Guiana, SCHAUS, p. 238, t. c. **n. sp.**
Porina salmonacea, New Guinea, ROTHSCHILD & JORDAN, p. 478, Nov. Zool. xii ; *P. minos*, New Zealand, HUDSON, p. 357, pl. xxii, fig. 5, Tr. N. Zealand Inst. xxxvii : **n. spp.**
Premolis amaryllis, Guiana, SCHAUS, p. 210, P. U. S. Mus. xxix, **n. sp.**
Prepiella convergens, Guiana, SCHAUS, p. 199, t. c. ; *P. procridia*, Paraguay, *radicans*, Brit. Guiana, HAMPSON, p. 435, Ann. Nat. Hist. (7) xv : **n. spp.**
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Proelymiotis joanna, Guiana, SCHAUS, p. 234, P. U. S. Mus. xxix, **n. sp.**
Pronerice ? cymantis, Guiana, SCHAUS, p. 231, t. c. **n. sp.**
Pronola fraterna, French Guiana, SCHAUS, p. 197, t. c. **n. sp.**
Propyria atroxantha, Mexico, SCHAUS, p. 193, t. c. **n. sp.**
Prumala hieroglyphica, Guiana, SCHAUS, p. 209, t. c. **n. sp.**
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Pseudantiora rufescens, Guiana, SCHAUS, p. 235, t. c. **n. sp.**
Pseudapiconoma melœna, Uganda, HAMPSON, p. 426, Ann. Nat. Hist. (7) xv, **n. sp.**
Pseudometa patagiata, Niger, AURIVILLIUS, p. 314, pl. xvi, fig. 1, Tr. ent. Soc. London 1905, **n. sp.**
Pseudomya nigrozonum, Guiana, SCHAUS, p. 187, P. U. S. Mus. xxix, **n. sp.**
Pseudospiris jucunda, pl. v, fig. 5, JORDAN, p. 511, Nov. Zool. xii.
Pseudovipsania invera, Guiana, DYAR, p. 391, P. U. S. Mus. xxix, **n. sp.**
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P. (*Heylaertsia*) *laniata*, Ceylon, HAMPSON, p. 194, J. Bombay Soc. xvi, **n. sp.**
Ptychotrichos elongata, Rio Janeiro, SCHAUS, p. 190, P. U. S. Mus. xxix, **n. sp.**
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Rhuda dissona, p. 260, *geometrica*, *minor*, p. 261, S. America, SCHAUS, t. c. **n. spp.**
Rhyparioides metelkana Led., early stages, CERVA, pp. 294–299, Zeitschr. Insbiol. i.

Rifargia muscosa, Tucuman, DOGNIN, p. 149, Ann. Soc. ent. Belgique 1905; *R. lemoulti*, p. 268, *mistura*, *notabilis*, p. 269, *condita*, *demissa*, *extranea*, p. 270, *merita*, *mortis*, p. 271, *occulta*, *onerosa*, p. 272, *discrepans*, *tulira*, p. 273, *indecora*, *litura*, p. 274, S. America, SCHAUS, P. U. S. Mus. xxix : **n. spp.**

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R. aroma, Honduras, *roxana*, Mexico, SCHAUS, p. 179, P. U. S. Mus. xxix, **n. spp.**

Salluca psittica, Guiana, SCHAUS, p. 246, t. c. **n. sp.**

Saturnia pavonia, *spini*, *pyri*, variation of ocellate marks, OBERTHÜR, p. 57, Bull. Soc. ent. France 1905.

S. rubella, Peru, DOGNIN, p. 10, Naturaliste 1905, **n. sp.**

Saurita perspicua, Trinidad, *tricolor*, Guiana, SCHAUS, p. 187, P. U. S. Mus. xxix, **n. spp.**

Sauritinia **n. g.** *Syntomidæ*, DYAR, p. 173, *dubiosa* **n. sp.**, French Guiana, SCHAUS, p. 188, t. c.

Schasiura to stand for *Autochloris* Hübn.-Hamps., HAMPSON, p. 430, Ann. Nat. Hist. (7) xv.

Semyra irena, p. 373, *paula*, *zinie*, p. 374, S. America, DYAR, P. U. S. Mus. xxix, **n. spp.**

Sibine bonaerensis, natural history, parasites, KÜNCKEL, p. 147, pl. iii, fig. 3, Bull. Sci. France Belgique xxxix.

S. horrida, with var. *nitens*, Centr. and S. America, p. 362, *barbara*, p. 363, *eucleides*, p. 365, S. America, DYAR, P. U. S. Mus. xxix, **n. spp.**

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S. bocki, Burma, SWINHOE, p. 145, Ann. Nat. Hist. (7) xvi; *S. viridibasalis*, Tenasserim, DUDGEON, p. 399, J. Bombay Soc. xvi : **n. spp.**

Sphecosoma metamela, Paraguay, HAMPSON, p. 427, Ann. Nat. Hist. (7) xv; *S. abdominalis*, Venezuela, SCHAUS, p. 184, P. U. S. Mus. xxix : **n. spp.**

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Symphlebomis **n. g.** *Syntomidæ* type *antipolo* Semp., HAMPSON, p. 425, Ann. Nat. Hist. (7) xv.

Syssphinx molina, life-history, PACKARD, pp. 92–96, pl. xxxiii, fig. 4, and larva, pl. iii, fig. 4, pl. xvi, fig. 4, and xlvii, fig. 1, Mem. Ac. Washington ix.

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Talara ornata, *subcoccinea*, *decepta*, p. 202, *unimoda*, *diversa*, *rugipennis*, p. 203, French Guiana, SCHAUS, t. c. **n. spp.**

Talmeca **n. g.** *Notodontidæ*, *perplexa*, *biplaga*, p. 262, *invisa*, *scirpea*, *pulchra*, p. 263, *consociata*, p. 264, **n. spp.**, S. America, SCHAUS, t. c.

Tamphana præcipua, Guiana, SCHAUS, p. 298, t. c. **n. sp.**
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Tessellota apostata, Brazil, SCHAUS, p. 227, P. U. S. Mus. xxix, **n. sp.**
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Thyridopteryx alcora, Arizona, BARNES, p. 214, Canad. Ent. 1905 ; *T. microptera*, Guiana, SCHAUS, p. 345, P. U. S. Mus. xxix : **n. spp.**
Titya nigripuncta, Guiana, SCHAUS, p. 316, t. c. ; *T. fumosa*, Peru, *incerta*, *candida*, Tucuman, DOGNIN, p. 151, Ann. Soc. ent. Belgique 1905 : **n. spp.**
Tolype jamaicensis, Jamaica, *septemlinea*, *multilinea*, *columbiana*, p. 317, *aroana*, *taruda*, *nigra*, *angustipennis*, p. 318, *lemoulti*, *nebulosa*, *poggia*, p. 319, *gelima*, *cinella*, p. 320, S. America, SCHAUS, P. U. S. Mus. xxix, **n. spp.**
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Zia hemiphæa, Java, HAMPSON, p. 432, t. c. **n. sp.**
Zygæna, varr. of palæarctic, amendment to Staudinger's Cat., figures, DZIURZYŃSKI, pp. 45–55, pl. ii, Jahresber. Wien. ent. Ver. 1903 ; *Z. ephialtes* var. n. *aurantiaca*, pl. ii, fig. 11, p. 57, var. n. *metzgeri*, fig. 12, p. 58, HIRSCHKE, t. c. ; *Z. trans-alpina* var. n. *flava*, SICHER, p. 91, pl. i, fig. 9, Jahresber. Wien. ent. Ver. 1905 ; *Z.* varr. HIRSCHKE, pp. 93–95, Jahresber. Wien. ent. Ver. 1905 ; *Z. wagneri* abb. n.

achilloides, *giesekingi*, WAGNER, p. 149, Soc. ent. xix; *Z. carniolica* varr., GAUCKLER, p. 105, Soc. ent. xx; *Z. carniolica* ab. n. *bohatschi*, WAGNER, p. 73, Soc. ent. xx; *Z. jucunda* ab. n. *segregata*, *carniolica* ab. n. *jurassica*, BLACHIER, p. 52, Bull. Soc. ent. France 1905.

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NOCTUIDÆ.

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Adaphænura **n. g.** for *Daphænura minuscula*, HAMPSON, p. 460, Cat. Lep. Phalænæ v.

Adrapsa curiosalis, Khasia Hills, SWINHOE, p. 162, Ann. Nat. Hist. (7) xv, **n. sp.**

A. atratalis, Khasia Hills, SWINHOE, p. 501, t. c. **n. sp.**

Aglossestra **n. g.** *deserticola* **n. sp.**, Egypt, HAMPSON, p. 225, Cat. Lep. Phalænæ v.

Agrophila burmana, Beeling, SWINHOE, p. 153, Ann. Nat. Hist. (7) xv, **n. sp.**

Agrotis niveivenosa Grote=(*Protagrotis viralis*), HAMPSON, p. 451, Ann. Nat. Hist. (7) xv; *A. margaritacea*, melanic, pl. ii, fig. 13, MÖBIUS, Iris Dresden xviii; *A. multangula*, larva, pl. 1, fig. 5, *uniformis*, fig. 6, *A. corticea* var. n. *neocomensis*, fig. 7, ROUGEMONT, Bull. Soc. Neuchatel xxix; *A. subcærulea*, habits, larva, DRAUDT, p. 257, pl. v, figg. 1–3, Iris Dresden xvii.

A. atlantica, Azores, WARREN, p. 439, Nov. Zool. xii, **n. sp.**

Aiteta costiplaga, *meterythra*, W. Africa, HAMPSON, p. 593, Ann. Nat. Hist. (7) xvi, **n. spp.**

Amaloptila ptilomela Low. (as *Metaptila*)=(*triorbis* Turn.), LOWER, p. 180, Tr. R. Soc. S. Austral. xxix.

Amphipyra satinea, Switzerland, p. 371, vol. xxix, Bull. Soc. Neuchatel; *A. wichti*, Murcia, HIRSCHKE, p. 41, pl. 1, fig. 4, Jahresber. Wien. ent. Ver. 1903 : **n. spp.**

Anarta phœa, Arctic America, p. 45, pl. 79, fig. 15, *mausi*, Turkestan, p. 46, fig. 16, *zemblica*, Novaya Zembla, p. 47, fig. 17, HAMPSON, Cat. Lep. Phalænæ v, **n. spp.**

Anchoscelis lunosa abb. n. *olivacea*, *rubra*, VÁZQUEZ, p. 121, Bol. Soc. espan. v.

Anepa **n. g.** type *Hypena oxydata* Hamps., and incl. *H. doda* Swinh., SWINHOE, p. 502, Ann. Nat. Hist. (7) xv.

Aplectoides arufa, *fales*, p. 192, *discolor*, p. 193, N. America, SMITH, J. N. York Ent. Soc. xiii, **n. spp.**

Arcyrophora piperita, W. Africa, HAMPSON, p. 585, Ann. Nat. Hist. (7) xvi, **n. sp.**

Argyrothripa nigrostriata, Fiji, BETHUNE-BAKER, pl. viii, fig. 4, p. 93, P. Zool. Soc. London 1905, i, **n. sp.**

Ariola xanthobasis, Nigeria, HAMPSON, p. 601, Ann. Nat. Hist. (7) xvi, **n. sp.**

Aspidifrontia radiata, pl. 91, fig. 4, p. 450, *glaucescens*, pl. 91, fig. 5, p. 451, Africa, HAMPSON, Cat. Lep. Phalænæ v, **n. sp.**

Auchenisa **n. g.** near *Trisula*, p. 18, *schausi* **n. sp.**, Sierra Leone, p. 19, HAMPSON, Ann. Nat. Hist. (7) xvi.

Avitta surrigens and *subsignans* distinguished, SWINHOE, p. 501, Ann. Nat. Hist. (7) xv.

Barasa tetragramma, Fiji, HAMPSON, p. 549, Ann. Nat. Hist. (7) xvi, **n. sp.**

Blasticorhinus rivulosa Walk. (as *Thermesia*) = (*Acantholipes quadripuncta* Swinh.), SWINHOE, p. 500, Ann. Nat. Hist. (7) xv.

Blennia fumosa, Khasia Hills, SWINHOE, p. 157, t. c. **n. sp.**

Blenina salomonis, Solomon Ids., SWINHOE, p. 151, op. cit. xvi; *B. metanyctea*, p. 543, *brachyptera*, p. 544, New Guinea, *triphœnopsis*, p. 545, *chlorophila*, *malachitis*, p. 546, Singapore, *miota*, p. 547, *leucotis*, *brunnescens*, p. 548, Trop. Africa, HAMPSON, Ann. Nat. Hist. (7) xvi : **n. spp.**

Bocana subalbida, Batjan, SWINHOE, p. 624, Ann. Nat. Hist. (7) xvi, **n. sp.**

Boethantha bisignata Walk. = (*Ctypansa bocanidia* Butl.), SWINHOE, p. 501, op. cit. xv.

Bomolocha obductalis = (*Hypena vestita* Moore), *flexuosa* Moore, is distinct, SWINHOE, p. 502, t. c.

B. heuloa, Arizona, SMITH, p. 69, Canad. Ent. 1905, **n. sp.**

Borolia leucogramma, E. Africa, pl. 94, fig. 23, p. 559, *rubrescens*, Natal, p. 94, fig. 25, *citrinotata*, E. Africa, pl. 94, fig. 27, p. 563, *melanostrota*, S. Africa, pl. 94, fig. 28, p. 564, *stellata*, Japan, pl. 94, fig. 30, p. 565, *acrapex*, E. Africa, pl. 95, fig. 3, *steniptera*, Paraguay, pl. 95, fig. 4, p. 569, *sarcostriga*, Trop. America, pl. 95, fig. 5, p. 570, *rhodoptera*, Colombia, pl. 95, fig. 7, p. 571, *phæochroa*, S. Africa, pl. 95, fig. 9, p. 572, *diopis*, Sokotra, pl. 95, fig. 11, p. 573, *persecta*, pl. 95, fig. 12, *micropis*, pl. 95, fig. 14, p. 574, S. Africa, *cupreata*, pl. 95, fig. 15, *bilineata*, fig. 16, Trop. Africa, *sesamoides*, Algeria, fig. 17, p. 575, HAMPSON, Cat. Lep. Phalænæ v, **n. spp.**

Britha biguttata = (*Hypena colubalis* Feld.), SWINHOE, p. 626, Ann. Nat. Hist. (7) xvi.

Brotolomia periculosa ab. n. *interrupta*, WARREN, p. 441, Nov. Zool. xii.

Bryophila khasiana = (*Apamea repetita* Swinh.), SWINHOE, p. 151, Ann. Nat. Hist. (7) xvi.

B. viridimedia, Arizona, SMITH, p. 188, J. N. York Ent. Soc. xiii, **n. sp.**

Gram. *Buzara calodesma*, New Guinea, ROTHSCHILD & JORDAN, p. 474, Nov. Zool. xii, **n. sp.**

Cacyparis cylcops, Solomon islds., HAMPSON, p. 604, Ann. Nat. Hist. (7) xvi, **n. sp.**

Calocampa vetusta, larva ab., pl. 1, f. 12, ROUGEMONT, Bull. Soc. Neuchatel xxix.

Calophasia albolineata, Tunis, BLACHIER, p. 53, Bull. Soc. ent. France 1905; *C. adamantina*, Marocco, BLACHIER, p. 215, t. c. **n. sp.**

Caradrina respersa, larva, pl. ii, f. 4, *alsines*, larva, pl. ii, f. 5, *gluteasa*, larva, f. 6, ROUGEMONT, Bull. Soc. Neuchatel xxix.

C. prætexta, Khasia Hills, SWINHOE, p. 152, Ann. Nat. Hist. (7) xv, **n. sp.**

Cardepia **n. g.** type *Mamestra irrisor*, HAMPSON, p. 234, Cat. Lep. Phalænæ v.

C. dione, Khasia Hills, SWINHOE, p. 159, Ann. Nat. Hist. (7) xv; *C. acypera*, Bali, p. 593, *tumida*, Penang, *diplogramma*, p. 594, *holophœa*, *biviata*, p. 595, Malacca, *endophaea*, Travancore, *pallida*, Burma, *leucocraspis*, Borneo, p. 596, *rubrifusa*, Borneo, *auritincta*, p. 597, *gamma*, *metaleuca*, Trop. Africa, *mesocausta*, Borneo, p. 598, *albipicta*, Fiji, p. 599, HAMPSON, Ann. Nat. Hist. (7) xvi : **n. spp.**

Catabena begallo, Arizona, BARNES, p. 193, Canad. Ent. 1905, **n. sp.**

Catada sabada, Perak, SWINHOE, p. 162, Ann. Nat. Hist. (7) xv, **n. sp.**

Catephiodes **n. g.** for *Hadena zuelana* Schaus, HAMPSON, p. 36, Cat. Lep. Phalænæ v.

Catocala elocata var. *styx*, KOLLER, p. 4, pl. i, f. 1, Jahresber. Wien. ent. Ver. 1905; *C.*, coloration of hind wing ætiology, SCHRÖDER, pp. 51-63, Biol. Zentrbl. xxv.

Cerynea rubra, Borneo, SWINHOE, p. 154, Ann. Nat. Hist. (7) xv, **n. sp.**

Chabuata amœba, E. Africa, pl. 85, f. 15, p. 269, *rectilinea*, Argentina, pl. 85, f. 20, p. 273, *noctuiformis*, Brazil, pl. 90, f. 3, p. 274, HAMPSON, Cat. Lep. Phalænæ v, **n. spp.**

Chandica semiflava, Borneo, HAMPSON, p. 603, Ann. Nat. Hist. (7) xvi, **n. spp.**

Cimelia olga, BARTEL, p. 25, Soc. ent. xx.

Cirphis lasiomera, Java, pl. 92, fig. 3, *ptyonophora*, St Helena, pl. 91, fig. 27, p. 491, *dasuta*, Hawaii, p. 493, *polyrabda*, Natal, pl. 92, fig. 13, p. 507, *goniosigma*, Ceylon, pl. 92, fig. 14, p. 515, *ignita*, Assam, pl. 92, fig. 18, p. 517, *pyrastis*, Paraguay, pl. 92, fig. 19, p. 518, *diagramma*, New Guinea, pl. 96, fig. 15, p. 522, *atrinota*, Mashonaland, pl. 92, fig. 25, p. 523, *albifasciata*, Paraguay, pl. 92, fig. 28, p. 525, *sarcistis*, Costa Rica, pl. 93, fig. 2, p. 527, *sarcophœa*, Peru, pl. 93, fig. 4, p. 528, *polystrota*, S. America, pl. 93, fig. 6, *microsticha*, Centr. America, pl. 93, fig. 7, *megaproctis*, Ceylon, pl. 93, fig. 10, p. 532, *microgonia*, Cent. America, pl. 93, fig. 11, p. 533, *postica*, Japan, pl. 96, fig. 12, p. 535, *alboradiata*, Patagonia, pl. 93, fig. 15, p. 537, *leucosticha*, Mauritius, p. 541, *tritonia*, Colombia, pl. 93, fig. 21, p. 542, *crenulata*, Persian Gulf, pl. 93, fig. 29, p. 547, *pastea*, Assam, pl. 96, fig. 13, p. 550, *metaphœa*, Madras, pl. 93, fig. 32, *hypophœa*, Ceylon, pl. 94, fig. 14, *rubrisecta*, Bhután, pl. 94, fig. 15, p. 533, HAMPSON, Cat. Lep. Phalænæ v, **n. spp.**

Cleophana pauli, pl. xix, fig. 11, *diffluens* var. *maroccana*, fig. 12, MEADE-WALDO, Tr. ent. Soc. London 1905.

C. gafsana, Tunis, BLACHIER, p. 53, Bull. Soc. ent. France 1905, **n. sp.**

Conisania **n. g.** for *Noctua leineri* Frr., HAMPSON, p. 472, Cat. Lep. Phalænæ v.

Conochares **n. g.** near *Acontia*, *C. acutus*, p. 207, *interruptus*, p. 208, **n. spp.**, Arizona, SMITH, J. N. York Ent. Soc. xiii.

Cosmophila excavata, Borneo, SWINHOE, Ann. Nat. Hist. (7) xv, **n. sp.**

Crambodes abalas, Arizona, SMITH, p. 205, J. N. York Ent. Soc. xiii, **n. sp.**

Craterestra **n. g.** p. 17, type *Stibæra lucina*, *C. subterminata*, Sikkim, pl. 88, fig. 31, *semifusca*, Uganda, pl. 36, fig. 2, **n. spp.**, HAMPSON, Cat. Lep. Phalænæ v.

Cucullia arizona, Arizona, SMITH, p. 206, J. N. York Ent. Soc. xiii, **n. sp.**

Dasygaster nephilistis, S. Australia, pl. 91, fig. 14, p. 475, HAMPSON, Cat. Lep. Phalænæ v.

Delocoma **n. g.** near *Azazia*, *marmorea* **n. sp.**, Celebes, SWINHOE, p. 153, Ann. Nat. Hist. (7) xvi.

Dichonia aprilina var. n. *bouveti*, LUCAS, p. 51, pl. v, figg. 2, 3, Ann. Soc. ent. France 1905; *D. convergens*, larva, pl. 1, fig. 9, ROUGEMONT, Bull. Soc. Neuchatel xxix.

Dilophothripa olivia, Borneo, HAMPSON, p. 584, Ann. Nat. Hist. (7) xvi, **n. sp.**

Discestra **n. g.** p. 14, type *Mamestra florida*, *D. arenaria* **n. sp.**, Sind, p. 16, HAMPSON, p. 14, Cat. Lep. Phalænæ v.

Ectopatria virginea, Adelaide, LOWER, p. 173, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Egnasia rudmuna, Borneo, SWINHOE, p. 623, Ann. Nat. Hist. (7) xvi, **n. sp.**

Elæognatha **n. g.** *argyritis*, p. 577, *phæostrota*, p. 578, Panama, **n. spp.**, HAMPSON, Ann. Nat. Hist. (7) xvi.

Episilia gaudens, Java, HAMPSON, p. 450, op. cit. xv, **n. sp.**

Epizeuxis merricki, Chicago, SMITH, p. 260, Canad. Ent. 1905, **n. sp.**

Erastria crotopha, Khasia Hills, SWINHOE, p. 620, Ann. Nat. Hist. (7) xvi, **n. sp.**

Eriopyga fulvida, Brazil, *thermistis*, Colombia, DRUCE, p. 374, Ann. Nat. Hist. (7) xv; *E. perfusca*, Mexico, pl. 86, fig. 30, p. 297, *melanopis*, Arizona, pl. 86, fig. 31, p. 299, *rhodotrichia*, p. 309, *fuscibarbata*, p. 310, Brazil, *vinobarbata*, pl. xc, fig. 5, p. 311, *excavata*, pl. 87, fig. 10, p. 312, *fulvida*, pl. 94, fig. 6, p. 316, Brazil, *orbica*, Mexico, pl. 87, fig. 13, p. 318, *jamaicensis*, Jamaica, pl. 87, fig. 16, p. 321, *brachia*, p. 322, *subolivacea*, p. 325, *melanosticta*, pl. 87, fig. 18, p. 326, *glaucistis*, pl. 87, fig. 22, p. 331, Brazil, *lobata*, Costa Rica, p. 332, *mesostrigata*, pl. 87, fig. 24, p. 333, *confluens*, p. 338, *pyropis*, pl. 87, fig. 31, p. 342, Centr. America, *hyposcota*, Brazil, pl. 90, fig. 6, p. 349, *affurata*, Canada, pl. 88, fig. 8, p. 350, *thermistis*, Colombia, pl. 94, fig. 8, p. 351, *poliotis*, Ecuador, pl. 88, fig. 10, p. 352, HAMPSON, Cat. Lep. Phalænæ v; *E. fuliginosa*, Japan, pl. 96, fig. 14, p. 609, HAMPSON, t. c.: **n. spp.**

Eriopygodes **n. g.** type *Noctua imbecilla* Fabr., HAMPSON, p. 353, t. c.

Erizada semifervens Walk. (as *Gadirtha*)=(*lichenaria* Walk.=*Tinosoma hyperythrum* Hamps.), SWINHOE, p. 152, Ann. Nat. Hist. (7) xvi.

E. rufa, Sula, HAMPSON, p. 586, Ann. Nat. Hist. (7) xvi, **n. sp.**

Eublemma scitula, ♂, pl. iv, fig. 29, p. 25, ROTHSCHILD, Nov. Zool. xii.

E. atimeta, Sumatra, SWINHOE, p. 621, Ann. Nat. Hist. (7) xvi, **n. sp.**

Eucalyptera gigantea, Texas, SMITH, p. 67, Canad. Ent. 1905, **n. sp.**

Eucocytia meeki, New Guinea, ROTHSCHILD & JORDAN, p. 474, Nov. Zool. xii, **n. sp.**

Euplexia signata, Tasmania, LOWER, p. 173, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Eutelia chrysotermina, Cayenne, p. 372, *caustiplaga*, Cuba, p. 373, *pyrastis*, Florida, *leucographa*, Africa, p. 374, *diplographa*, Sikkim, p. 375, *mesogona*, Madagascar, p. 376, *geræa*, Mauritius, *flaviluna*, p. 377, *farcicauda*, Singapore, *cautabasis*, p. 378, *holocausta*, *metasarca*, p. 379, *melanopis*, p. 380, *chlorobasis*, *nigridentula*, p. 381, *albiluna*, *leucodelta*, p. 382, *ochricostata*, p. 383, *ferridorsata*, *cyanolopha*, p. 384, W. Africa, *albidisca*, Cape Colony, *rufula*, Perak, p. 385, *siccata*, Sierra Leone, p. 386, HAMPSON, Ann. Nat. Hist. (7) xvi, **n. spp.**

Euxoa emolliens n. n. for *mollis* Staud. nec Walk., HAMPSON, p. 540, op. cit. xv; *E. brunneigera masoni* var. n., COCKERELL, p. 361, Canad. Ent. 1905.

E. sotnia, p. 195, *alcesta*, *anacosta*, p. 196, *bialba*, p. 197, *zembla*, p. 198,

N. America, SMITH, J. N. York Ent. Soc. xiii; *E. vestitura*, New Brunswick, p. 201, *taura*, Assiniboia, p. 202, *ura*, Utah, p. 203, SMITH, Canad. Ent. 1905 : **n. spp.**

Falcimala diacia, Khasia Hills, SWINHOE, p. 163, Ann. Nat. Hist. (7) xv, **n. sp.**

Fishia betsia, Utah, SMITH, p. 199, J. N. York Ent. Soc. xiii, **n. sp.**

Galasa pulverulenta, Sudan, WARREN & ROTHSCHILD, p. 26, pl. iv, fig. 34, Nov. Zool. xii, **n. sp.** Geom.

Giaura leucophæa, Borneo, p. 541, *nigriscripta*, E. Africa, *strigivenata*, New South Wales, p. 542, *lichenigera*, Sierra Leone, India etc. p. 543, HAMPSON, Ann. Nat. Hist. (7) xvi, **n. spp.**

Gortyna ochracea, notes on rearing, HARRISON, p. 15, Ent. Rec. xvii; *G.*, synonymy of N. American, LYMAN, pp. 29–32, Canad. Ent. 1905.

G. thalictri, p. 307, pl. vii, fig. 2, *eupatorii*, p. 312, fig. 3, Canada, LYMAN, t. c. **n. spp.**

Graphania **n. g.** type *Heliophobus disjungens* Walk., HAMPSON, p. 468, Cat. Lep. Phalænæ v.

Gyrtona niveivitta, Sarawak, SWINHOE, p. 158, Ann. Nat. Hist. (7) xv; *G. dialeuca*, Borneo, *phæozona*, India, p. 537, *glaucobasis*, Pulo Laut, *chlorograpta*, Singapore, *plumbisparsa*, Sikkim, p. 538, *polionota*, Woodlark isld., *polymorpha*, Mauritius, p. 539, HAMPSON, Ann. Nat. Hist. (7) xvi : **n. spp.**

Hadena adusta var. *bathensis* etc., species formation, PETERSEN, Arch. Rassen ii, pp. 641 etc.; *H. polyodon* ab. *infuscata*, pl. 1, fig. 10, *basilinea*, larva, pl. ii, fig. 1, *hepatica*, larva, fig. 2, *illyrica*, larva, fig. 3, ROUGEMONT, Bull. Soc. Neuchatel xxix; *H. secalis* ab. *struvei*, pl. ii, fig. 12, MÖBIUS, Iris Dresden xviii; *H. secalis*, larval structure, injuries to corn, BÖRNER, pp. 90–97, Arb. biol. Anstalt Forstwirtschaft v.

H. bathensis, Lutzau **n. sp.**, SLEVOGT, p. 18, Soc. ent. xx; *H. erica*, Utah, SMITH, p. 258, Canad. Ent. 1905; *H. elæistis*, Peru, DRUCE, p. 373, Ann. Nat. Hist. (7) xv; *H. meridionalis*, Rio Janeiro, HAMPSON, p. 211, pl. 84, fig. 11, Cat. Lep. Phalænæ v : **n. spp.**

Hadula impia, Turkestan, pl. 92, fig. 2, p. 248, HAMPSON, t. c. **n. sp.**

Nephelistis **n. g.** type *congenitalis* **n. sp.**, Guatemala, HAMPSON, p. 250, t. c.

Harrisimemna trisignata, pupation, SHERMAN, p. 254, Ent. News Philad. xvi.

Heliophobus matritensis, Spain, VÁZQUEZ, p. 115, Bol. Soc. Espan. v, **n. sp.**

Heliothis obsoleta, natural history, QUAINTANCE & BRUES, Bull. U. S. Dep. Agric. ent. No. 50.

Homodes irretita, Cachar, SWINHOE, p. 155, Ann. Nat. Hist. (7) xv, **n. sp.**

Homopyralis cinctus, Arizona, SMITH, p. 260, Canad. Ent. 1905, **n. sp.**

Hydroeciodes **n. g.** p. 253, type *Xanthia alala*, *H. xanthina*, p. 254, *azteca*, p. 256, pl. 85, fig. 5, Mexico, *leucopis*, Peru, pl. 92, fig. 1, *leucogramma*, Brazil, pl. 85, fig. 7, p. 257, **n. spp.**, HAMPSON, Cat. Lep. Phalænæ v.

Hylophila prasinana abb., pl. ii, figg. 2, 3, MÖBIUS, Iris Dresden xviii.

Hypœtra ruinosa, Singapore etc., p. 159, *trifasciata*, New Guinea, p. 160, SWINHOE, Ann. Nat. Hist. (7) xv, **n. spp.**

Hypena regia, p. 163, *tylistalis*, New Guinea, *phecomalis*, Khasia Hills, p. 164, SWINHOE, t. c. **n. spp.**

Hypenula caminalis, Arizona, SMITH, p. 70, Canad. Ent. 1905, **n. sp.**

Hypobarathra **n. g.** for part of *Xylina*, HAMPSON, p. 221, Cat. Lep. Phalænæ v.

Hypothripa ruficirra, Japan, *miochroa*, Colombia, HAMPSON, p. 540, Ann. Nat. Hist. (7) xvi, **n. spp.**

Hyssia sminthistis, New Zealand, pl. 86, fig. 17, p. 280, *violascens*, China, pl. 85, fig. 28, p. 286, HAMPSON, Cat. Lep. Phalænæ v, **n. spp.**

Ingura glauca, p. 369, *griseifusa*, S. America, *nyctichroma*, Panama, p. 370,

leucotrigona, Borneo, *poliotis*, Singapore, p. 371, HAMPSON, Ann. Nat. Hist. (7) xvi, **n. spp.**

Ipimorpha nanaimo, Brit. Columbia, BARNES, p. 196, Canad. Ent. 1905, **n. sp.**

Iscadia diopis, Costa Rica, *poliopepla*, Brazil, HAMPSON, p. 579, Ann. Nat. Hist. (7) xvi, **n. spp.**

Labanda viridalis, Khasia Hills, SWINHOE, p. 156, Ann. Nat. Hist. (7) xv, **n. sp.**

Laphygma exigua in England, early stages, MATHEW, pp. 6–10, Ent. Rec. xvii.

Lasianobia **n. g.** type *Mamestra lauta*, HAMPSON, p. 274, Cat. Lep. Phalænæ v.

Lasiestra **n. g.** type *Dianthoecia phoca*, HAMPSON, p. 47, t. c.

Lasionycta altaica, W. Siberia, HAMPSON, p. 58, pl. 79, fig. 30, t. c. **n. sp.**

Leucania favicolor varr., MATHEW, p. 14, Ent. Rec. xvii ; *L. favicolor*, life-history, MATHEW, pp. 77–80, Ent. Mag. 1905.

L. leucosphenia, p. 196, *cryptargyria*, p. 197, New Guinea, BETHUNE-BAKER, Ann. Nat. Hist. (7) xv ; *L. diagramma*, New Guinea, BETHUNE-BAKER, p. 324, t. c. ; *L. stulta*, pl. xx, fig. 1, p. 329, *neuræ*, fig. 5, p. 330, New Zealand, PHILPOTT, Tr. New Zealand Inst. xxxvii ; *L. dunedinensis*, N. Zealand, pl. 96, fig. 2, p. 591, HAMPSON, Cat. Lep. Phalænæ v ; *L. ferricola*, Arizona, SMITH, p. 203, J. N. York Ent. Soc. xiii ; *L. pendens*, Florida, SMITH, p. 66, Canad. Ent. 1905 : **n. spp.**

Lignicida **n. g.** *Deltoididæ*, *echana* **n. sp.**, Palawan, SWINHOE, p. 625, Ann. Nat. Hist. (7) xvi.

Luperina zollikoferi, notice, REBEL, pp. 21, 22, Verh. Ges. Wien 1905.

L. extensa, Regina, SMITH, p. 203, J. N. York Ent. Soc. xiii, **n. sp.**

Lycophotia tetraonis, Peru, DRUCE, p. 372, Ann. Nat. Hist. (7) xv ; *L. strigigrapha*, Patagon. Andes, HAMPSON, p. 451, Ann. Nat. Hist. (7) xv : **n. spp.**

Lythrodes semiluna, Arizona, SMITH, p. 67, Canad. Ent. 1905, **n. sp.**

Maliattha marginalis Walk. (as *Acontia*)=(*stolasa* Swinh.), SWINHOE, p. 151, Ann. Nat. Hist. (7) xvi.

M. stolasa, Khasia Hills, SWINHOE, p. 154, op. cit. xv, **n. sp.**

Mamestra (*Hadula*) *impia*, Aksu, PÜNGELER, p. 153, Soc. ent. xix ; *M. ascula*, Utah, SMITH, p. 257, Canad. Ent. 1905 ; *M. tufa*, *agnata*, p. 200, *basiplaga*, *imbuna*, p. 201, *uliginosa*, p. 202, N. America, SMITH, J. N. York Ent. Soc. xiii ; *M. albifluviata*, Colombia, p. 372, *canosticta*, Bolivia, p. 373, DRUCE, Ann. Nat. Hist. (7) xv : **n. spp.**

Masca abactalis and *Phagytra leucogastralis* Walk. distinguished, SWINHOE, p. 622, Ann. Nat. Hist. (7) xvi.

Maurilia albirivula, p. 599, *heterochroa*, *phœa*, p. 600, Nigeria, HAMPSON, Ann. Nat. Hist. (7) xvi, **n. spp.**

Melanchra granti, Azores, WARREN, p. 440, Nov. Zool. xii ; *M. decorata*, p. 328, pl. xx, fig. 2, *levis*, fig. 4, p. 329, New Zealand, PHILPOTT, Tr. New Zealand Inst. xxxvii : **n. spp.**

Meliana pectinata, E. Africa, p. 576, *longipennis*, Centr. Africa, pl. 95, fig. 18, p. 578, *atrifera*, Chile, pl. 95, fig. 19, p. 580, *tenebra*, E. Africa, pl. 95, fig. 30, p. 587, *rubra*, Brazil, pl. 95, fig. 32, HAMPSON, Cat. Lep. Phalænæ v, **n. spp.**

Melicleptria fimbria, California, WILLIAMS, p. 237, Ent. News Philad. xvi, **n. sp.**

Metachrostis brunneiplaga, Khasia Hills, SWINHOE, p. 500, Ann. Nat. Hist. (7) xv, **n. sp.**

Metaptya lucida, Bali, HAMPSON, p. 587, Ann. Nat. Hist. (7) xvi, **n. sp.**

Minofala **n. g.** *instans* **n. sp.**, Texas, SMITH, p. 65, Canad. Ent. 1905.

Monima paromœa, Japan, pl. 90, fig. 26, p. 429, HAMPSON, Cat. Lep. Phalænæ v, **n. sp.**

Morrisonia chryserythra, *chlorograpta*, New Zealand, HAMPSON, p. 452, Ann. Nat. Hist. (7) xv, **n. spp.**
Nanaguna aquisoides, Khasia Hills, SWINHOE, p. 156, Ann. Nat. Hist. (7) xv; *N. brunnea*, *albisecta*, Assam, HAMPSON, p. 583, op. cit. xvi : **n. spp.**
Neocomia **n. g.** for *Amphipyra satinea*, ROUGEMONT, p. 372, Bull. Soc. Neuchatel xxix, and op. cit. xxxi, pl. i, figg. 11, *a*, *b*, *c*.
Nephelistis conservulodes, Colombia, DRUCE, p. 374, Ann. Nat. Hist. (7) xv, **n. sp.**
Niguza anisogramma, Centr. Australia, LOWER, p. 174, Tr. R. Soc. S. Austral. xxix, **n. sp.**
Noctua subfusca Haw., note on the type, BANKES, p. 161, Entomologist 1905.
N. acarnea, Alberta, SMITH, p. 194, J. N. York Ent. Soc. xiii, **n. sp.**
Nodaria leechi, Japan and Korea, SOUTH, p. 74, Entomologist 1905, **n. sp.**
Nonagria uniformis, Bombay, DUDGEON, p. 402, J. Bombay Soc. xvi, **n. sp.**
Odontelia **n. g.** for *Thargelia margiana*, HAMPSON, p. 219, Cat. Lep. Phalænæ v.
Odontestra **n. g.** p. 205, type *Mamestra vittigera*, *O. albivitta* **n. sp.**, E. Africa, p. 206, pl. 84, fig. 6, HAMPSON, t. c.
Odontodes metamelæna, New Guinea, HAMPSON, p. 533, Ann. Nat. Hist. (7) xvi, **n. sp.**
Oncocnemis bakeri, Nevada, DYAR, p. 211, J. N. York Ent. Soc. xiii, **n. sp.**
Onychestra **n. g.** for *Mamestra siccanorum*, HAMPSON, p. 223, Cat. Lep. Phalænæ v.
Oromena noduna, Ceylon, SWINHOE, p. 152, Ann. Nat. Hist. (7) xvi, **n. sp.**
Orrhodia torrida ab. *faillæ*, p. 39, pl. vi, fig. 17, *O. ragusæ*, pl. vi, figg. 11, 12, p. 41, TURATI, Natural. Sicil. xviii.
O. insinuata, Washington, SMITH, p. 205, J. N. York Ent. Soc. xiii, **n. sp.**
Orthosia pistacina var. n. *silesiaca*, SCHULTZ, p. 33, Jahresber. Wien. ent. Ver. 1905; *O. nitida* ab. *garibaldina*, TURATI, p. 39, Natural. Sicil. xviii; *O. witzenmanni*, eggs and larva, LUCAS, p. 54, pl. v, fig. 4, Ann. Soc. ent. France 1905.
O. pallida, New Zealand, HUDSON, p. 355, Tr. New Zealand Inst. xxxvii, **n. sp.**
Oxænanus magniplaga, Khasia Hills, SWINHOE, p. 624, Ann. Nat. Hist. (7) xvi, **n. sp.**
Pais nyassana, JORDAN, pl. v, f. 3, p. 511, Nov. Zool. xii.
Palponima **n. g.** for *Semiophora orthosioides*, HAMPSON, p. 432, Cat. Lep. Phalænæ v.
Paraxestis mesogonia, Abysinnia, *glaucescens*, Old Calabar, HAMPSON, p. 585, Ann. Nat. Hist. (7) xvi, **n. spp.**
Pardasena ferrigrisea, Gambia, *deleta*, Peru, HAMPSON, p. 541, t. c. **n. sp.**
Pericyma fasciolata, Sudan, WARREN & ROTHSCHILD, p. 24, pl. iv, figg. 11, 21, Nov. Zool. xii, **n. sp.**
Perigea flavistriga, Alberta, SMITH, p. 204, J. N. York Ent. Soc. xiii, **n. sp.**
Persectania **n. g.** type *Xylophasia ewingii*, HAMPSON, p. 386, Cat. Lep. Phalænæ v.
Phurys campanilis, Florida, *carolina*, N. Carolina, SMITH, p. 68, Canad. Ent. 1905, **n. spp.**
Plotheia nephelozona, E. Africa, *canofusa*, Cape Colony, p. 580, *ferrofusa*, India, *leucogonia*, Trop. Africa, p. 581, *gerœa*, Queensland, *diplographa*, India, p. 582, HAMPSON, Ann. Nat. Hist. (7) xvi, **n. spp.**
Pogonozada **n. g.** *Acontianæ*, *distorta* **n. sp.**, Ichang, HAMPSON, p. 586, t. c.
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P. canities, California, p. 80, pl. 80, f. 14, *rubrifusa*, New Mexico, p. 85, pl. 80, f. 23, *tenebra*, Kashmir, p. 87, pl. 80, f. 26, *fuscirufa*, Africa, p. 100, pl. 81, f. 4, *veneta*, E. Africa, p. 104, pl. 81, f. 5, *glaucopis*, p. 106, pl. 81, f. 6, *dodi*, Canada, p. 150, pl. 82, f. 12, *chalcia*, Guatemala, p. 154, pl. 82, f. 18, *atrivena*, E. Africa, p. 158, pl. 82, f. 25, *cuprescens*,

Mashonaland, p. 163, pl. 82, f. 32, *stenotis*, California, p. 168, pl. 83, f. 8, *bilinea*, Japan, pl. 96, f. 11, p. 603, HAMPSON, Cat. Lep. Phalænæ v, **n. spp.**

Poliodes **n. g.** type *Mamestra flavidentula*, HAMPSON, p. 359, t. c.; *P. viola*, Peru, DRUCE, p. 375, Ann. Nat. Hist. (7) xv, **n. sp.**

Polytelodes **n. g.** for *Polytela florifera*, HAMPSON, p. 454, Cat. Lep. Phalænæ v.

Polysenta temecula, Arizona, BARNES, p. 194, Canad. Ent. 1905, **n. sp.**

Pronotestra **n. g.** for *Mamestra silenides*, HAMPSON, p. 224, Cat. Lep. Phalænæ v.

Proteinania **n. g.** type *Chloridea vigasia*, HAMPSON, p. 290, t. c.

Pseudobryophila **n. g.** p. 192, *preciosa* **n. sp.**, Peru, p. 193, THIERRY-MIEG, Naturaliste 1905.

Pseudohadena schlumbergeri, p. 265, *P.? crassipuncta*, p. 266, Centr. Asia, PÜNGELER, Iris Dresden xvii, **n. spp.**

Pseudophia haïfæ, Syria, HABICH, p. 21, Verh. Ges. Wien 1905, **n. sp.**

Pterognia irrorata, Sikkim, DUDGEON, p. 402, J. Bombay Soc. xvi, **n. sp.**

Raparna bipuncta, p. 25, pl. iv, f. 24, *minima*, p. 26, f. 23, Sudan, WARREN & ROTHSCHILD, Nov. Zool. xii, **n. spp.**

Renia rigida, Arizona, SMITH, p. 70, Canad. Ent. 1905, **n. sp.**

Rhesala tenuilinea, Sumatra, SWINHOE, p. 623, Ann. Nat. Hist. (7) xvi, **n. sp.**

Rhizagrotis perolivalis, Calgary, SMITH, p. 194, J. N. York Ent. Soc. xiii, **n. sp.**

Rivula niveipuncta, Khasia Hills, SWINHOE, p. 154, Ann. Nat. Hist. (7) xv; *R. magniplaga*, Khasia Hills, SWINHOE, p. 622, op. cit. xvi: **n. spp.**

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Scotogramma submedianata, E. Africa, p. 27, *mendosica*, Argentinia, p. 35, pl. 79, f. 11, HAMPSON, Cat. Lep. Phalænæ v, **n. spp.**

Scriptania **n. g.** type *Agrotis michaelseni* Staud., *S. syzygia*, Patagonia, **n. sp.**, pl. 91, f. 11, p. 464, HAMPSON, t. c.

Sesamia albicostata, Victoria, LOWER, p. 175, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Siglophora hæmatica, Borneo, HAMPSON, p. 603, Ann. Nat. Hist. (7) xvi, **n. sp.**

Simplicia albisinuata, Arizona, SMITH, p. 71, Canad. Ent. 1905, **n. sp.**

Sinna floralis, Penang, *atrifusa*, Java, HAMPSON, p. 602, Ann. Nat. Hist. (7) xvi, **n. spp.**

Spragueia fumata, Nevada, SMITH, p. 259, Canad. Ent. 1905, **n. sp.**

Stictoptera crinopis, Ashanti, p. 533, *hemithyris*, India, *phæobasis*, Perak, p. 534, *leucostriga*, Penang, *ferruginea*, Borneo, p. 535, *anæmia*, Solomon Islds., *hypenistis*, Burma, p. 536, HAMPSON, Ann. Nat. Hist. (7) xvi, **n. spp.**

Stiria aliaga, Arizona, BARNES, p. 213, Canad. Ent. 1905, **n. sp.**

Strigania **n. g.** type *Heliophobus lithophilus* Butl., HAMPSON, p. 466, Cat. Lep. Phalænæ v.

Synthimia exsiccata, Sudan, WARREN & ROTHSCHILD, p. 25, pl. iv, figg. 19, 30, Nov. Zool. xii, **n. sp.**

Talapa birthana, Khasia Hills, SWINHOE, p. 161, Ann. Nat. Hist. (7) xv, **n. sp.**

Tarache procrita, Khasia Hills, SWINHOE, p. 621, op. cit. xvi, **n. sp.**

Thalpochares jativa, Arizona, BARNES, p. 213, Canad. Ent. 1905, **n. sp.**

Thyrestra **n. g.** for *Euplexia hyalophora*, HAMPSON, p. 6, Cat. Lep. Phalænæ v.

Timora albida, Algeria, HAMPSON, p. 450, Ann. Nat. Hist. (7) xv, **n. sp.**
Titulcia meterythra, Borneo, HAMPSON, p. 603, op. cit. xvi, **n. sp.**
Tmetolophota **n. g.** type *Leucania propria* Walk., HAMPSON, p. 470, Cat. Lep. Phalænæ v; *T. polygona*, Peru, DRUCE, p. 375, Ann. Nat. Hist. (7) xv, **n. sp.**
Topadesa sanguinea, sexes, SWINHOE, p. 157, Ann. Nat. Hist. (7) xv.
Tortriciforma chloroplaga, Perak, HAMPSON, p. 587, Ann. Nat. Hist. (7) xvi, **n. sp.**
Trichanarta=(*Ala*), HAMPSON, p. 450, op. cit. xv; *Trichanarta*=(*Ala* St. nec Lock.), COCKERELL, p. 23, Entomologist 1905.
Trichestra **n. g.** for pt. of *Celæna*, HAMPSON, p. 8, Cat. Lep. Phalænæ v.
Tricheurois **n. g.** type *nigrocuprea* Moore, HAMPSON, p. 451, Ann. Nat. Hist. (7) xv.
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Tricholita baranca, Texas, BARNES, p. 196, Canad. Ent. 1905, **n. sp.**
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Tyana acypera, China, HAMPSON, p. 601, Ann. Nat. Hist. (7) xvi, **n. sp.**
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Xylomania **n. g.** type *Xylomiges hiemalis*, HAMPSON, p. 389, Cat. Lep. Phalænæ v.
Xanthia sulphurago ab. *innotata*, TURATI, p. 40, pl. vi, f. 14, Natural. Sicil. xviii; *X. fulvago* ab. n. *decolor*, SCHULTZ, p. 89, Jahresber. Wien. ent. Ver. 1904; *X. gilvago*, *palleago* is an ab., RONDOU, p. xliii, Pr.-verb. Soc. Linn. Bordeaux lx.
Xylina nigrescens, N. America, ENGEL, p. 143, Canad. Ent. 1905; *X. atincta*, Manitoba, SMITH, p. 206, J. N. York Ent. Soc. xiii: **n. spp.**
Xylophasia flavistigma, with numerous synonyms, to *Euplexia*, SWINHOE, p. 153, Ann. Nat. Hist. (7) xv.
Yrias irentis, Arizona, SMITH, p. 259, Canad. Ent. 1905, **n. sp.**
Zanclognatha tarsipennalis and *tarsiplumalis*, distinctions of sexual structures, PETERSEN, pp. 68–71, cuts, Mem. Ac. St. Petersb. (8) xvi, No. 2.
Zethes subapicalis, Cachar, SWINHOE, p. 154, Ann. Nat. Hist. (7) xvi; *Z. pallidiplaga*, Solomon Islds., p. 160, *enigmaria*, Khasia Hills, p. 161, SWINHOE, op. cit. xv: **n. spp.**

GEOMETRIDÆ.

[Cf. BASTELBERGER (80–83), BETHUNE-BAKER (108), DRAUDT (450), DYAR (470, 474, 476), FUCHS (624), HUDSON (794), JORDAN (823), KAYE (828), LONGSTAFF (974), LOWER (981), MEYRICK (1041), PEARSALL (1142), PETERSEN (1155), PHILPOTT (1167), PROUT (1217, 1218), PUNGELER (1224), ROTHSCHILD & JORDAN (1307), SWINHOE (1459, 1460, 1462), THIERRY-MIEG (1493), TURATI (1508), VÁZQUEZ (1535), WARREN (1569–1575), WARREN & ROTHSCHILD (1576).]

Synonymy of *Geometridæ* described by Strecker, DYAR, pp. 93, 94, P. ent. Soc. Washington vii.

Abdominal organ in ♂ for scent-distribution, JORDAN, pp. 506–508, Nov. Zool. xii.

Abraxas grossulariata, varieties and food, COLLINGE, J. econ. Biol. i, pp. 14–16, cut; *A. grossulariata*, change of food-plant, GIARD, p. 130, Feuille Natural. xxxv; varr. on *Euonymus*, PICTET, t. c. p. 167; *A. grossulariata*, numerous varr., OBERTHÜR, p. 58, Bull. Soc. ent. France 1905.

A. privata, Sumba, BASTELBERGER, p. 5, Ent. Zeitschr. Guben xix; *A. parvipunctata*, Sumatra, WARREN, p. 13, Nov. Zool. xii; *A. interpunctata*, Cagayan Sulu, WARREN, p. 429, t. c.: **n. spp.**

Acadra simplicilinea, Usambara, WARREN, p. 401, t. c. **n. sp.**

Acanthocampa **n. g.** p. 951, *excavata* **n. sp.**, Japan, p. 952, DYAR, P. U. S. Mus. xxviii.

Acidalia and allies, notes on affinities, larvæ etc., PROUT, pp. 6–11, 43–48, Entomologist 1905; *A. tabianaria*, Parma, p. 43, pl. viii, figg. 5–14, *gianellaria*, Aosta, p. 44, figg. 15–17, TURATI, Natural. Sicil. xviii; *A. perornata*, Mozambique, THIERRY-MIEG, p. 192, Naturaliste 1905: **n. spp.**

Acolutha imbecilla, *semifulva*, Hainan, WARREN, p. 426, Nov. Zool. xii, **n. spp.**

Acrotomodes croceata, p. 365, *sporadata*, p. 366, Peru, WARREN, t. c. **n. spp.**

Actenochroma ochreipicta, Khasia Hills, SWINHOE, p. 166, Ann. Nat. Hist. (7) xv, **n. sp.**

Æschropteryx tetragonata ab. n. *solitaria*, WARREN, p. 366, Nov. Zool. xii.

Agathia ithearia, Borneo, p. 166, *solaria*, Singapore, p. 167, SWINHOE, Ann. Nat. Hist. (7) xv; *A. olivacea*, Solomon Islds., WARREN, p. 420, Nov. Zool. xii: **n. spp.**

Agathiopsis subflavata, Solomon Islds., WARREN, p. 421, t. c. **n. sp.**

Agraptochlora analiplaga, E. Africa, WARREN, p. 384, t. c. **n. sp.**

Alcis acutangula, Natal, WARREN, p. 36, t. c.; *A. vitensis*, pl. viii, fig. 5, p. 93, *nausori*, fig. 6, p. 94, Fiji, BETHUNE-BAKER, P. Zool. Soc. London 1905, i: **n. spp.**

Alex longipecten, Solomon Islds., WARREN, p. 417, Nov. Zool. xii, **n. sp.**

Amaurinia cœrulea, Argentina, WARREN, p. 51, t. c. **n. sp.**

Amblychia schistacea, Batchian, WARREN, p. 14, t. c. **n. sp.**

Amelora anthracia, W. Australia, LOWER, p. 177, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Ameria latiorata, Purnio, WARREN, p. 341, Nov. Zool. xii, **n. sp.**

Anapalta flavilucens, Colorado, WARREN, p. 327, t. c.; *A. nivesecta*, Peru, WARREN, p. 47, t. c. **n. spp.**

Anemplocia **n. g.** *Heterusiinæ*, *flammifera* **n. sp.**, Colombia, WARREN, p. 344, t. c.

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A. simulatrix, Cayenne, THIERRY-MIEG, p. 193, Naturaliste 1905, **n. sp.**

Anisodes subpallida ab. n. *figurata*, WARREN, p. 320, Nov. Zool. xii.

A. ruficosta, Brit. Guiana, WARREN, p. 45, t. c. **n. sp.**

Anisogamia albifimbria ♂, WARREN, p. 421, t. c.

Anisoperas albimorsa, Peru, WARREN, p. 65, t. c.; *A. bimaculata*, Bolivia, WARREN, p. 366, t. c. **n. sp.**

Antepirrhoë **n. g.** type *E. delimitata* Warr., includes *Larentia homophana* and *latifusata*, also *A. vacillans* **n. sp.**, Bolivia, WARREN, p. 327, t. c.

Antharmostes interalbicans, characters, WARREN, p. 384, t. c.

Anthierax subfulva, p. 11, *subnigrata*, p. 12, Solomon Islds., WARREN, t. c. **n. spp.**

Anthometra unipuncta, Kashmir, SWINHOE, p. 629, Ann. Nat. Hist. (7) xvi, **n. sp.**

Aperusia **n. g.** *punctistriata* **n. sp.**, Peru, WARREN, p. 328, Nov. Zool. xii.
Aplogompha læta, Peru, WARREN, p. 54, t. c. **n. sp.**
Apocheima fuliginosa, Natal, WARREN, p. 36, t. c. **n. sp.**
Argyrotome muricolor, Peru, WARREN, p. 346 t. c. **n. sp.**
Arhodia retractaria ab. n. *carnea*, WARREN, p. 9, t. c.
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A. fulvata, Sta. Martha, WARREN, p. 65, t. c.; *A. geminipuncta*, Peru, WARREN, p. 367, t. c. : **n. spp.**
Bagodares pallidicosta, Ecuador, WARREN, p. 358, t. c. **n. sp.**
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B. fortunaria, Spain, VÁZQUEZ, p. 116, Bol. Soc. espan. v, **n. sp.**
Bordeta ampliplaga, Solomon Islds., WARREN, p. 429, Nov. Zool. xii, **n. sp.**
Bronchelia consimilis, Mexico, *plumbilinea*, p. 62, *semicompleta*, p. 63, Peru, WARREN, t. c. **n. spp.**
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B. distincta, Parana, WARREN, p. 353, t. c. **n. sp.**
Bulonga trilineata, Borneo, BASTELBERGER, p. 5, Ent. Zeitschr. Guben xix. **n. sp.**
Bupalus piniarius ab., pl. ii, fig. 7, MÖBIUS, Iris Dresden xviii.
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Bursadopsis sectinota, Halmaheira, *waterstradti*, Batchian, WARREN, p. 431, t. c. **n. spp.**
Callipia balteata, Peru, WARREN, p. 72, t. c. **n. sp.**
Cambogia trillista, Peru, WARREN, p. 51, t. c. **n. sp.**
Campylona aurata, Bogota, WARREN, p. 312, t. c. **n. sp.**
Cartaletis concolor, Zululand, WARREN, p. 34, t. c. **n. sp.**
Cartellodes olivaria, Peru, WARREN, p. 367, t. c. **n. sp.**
Catoria lucidata, Solomon Islds., WARREN, p. 15, t. c.; *C. subalbata*, Sumatra, WARREN, p. 432, t. c. : **n. spp.**
Certima strigifera, Peru, WARREN, p. 66, t. c.; *C. leucaniata*, Peru, WARREN, p. 368, t. c. **n. sp.**
Cerynia cupreata, p. 52, *pamphilata*, p. 53, Peru, WARREN, t. c. **n. spp.**
Chiasmia maculilinea, Celebes, *minuta*, Borneo, WARREN, p. 433, t. c. **n. spp.**
Chlorochroma quieta Luc. (as *Iodis*) = (*Cenochlora felix* Warr.), WARREN, p. 422, t. c.
C. imparicornis, Queensland, WARREN, p. 422, t. c. **n. sp.**
Chloroclystis sandycias, New Zealand, MEYRICK, p. 220, Tr. ent. Soc. London 1905; *C. minima*, New Zealand, HUDSON, p. 356, Tr. New Zealand Inst. xxxvii : **n. spp.**
Chogada alienaria ab. n. *nigrifasciata*, *C. decisaria* ab. n. *nigristigma*, WARREN, p. 432, t. c.
C. funesta, Natal, WARREN, p. 398, t. c. **n. sp.**
Chrotochlora **n. g.** *Geometrinæ*, *perpulchra* **n. sp.**, Peru, WARREN, p. 317, t. c.
Chrysochloroma nubecula, New Guinea, WARREN, p. 421, t. c. **n. sp.**
Chrysocraspeda fulviplaga, *conspicuaria*, Khasia Hills, SWINHOE, p. 165, Ann. Nat. Hist. (7) xv, **n. spp.**

Cidaria and allies, PROUT, pp. 53–56, Tr. City London Soc. 1904; *C. tophaceata* larva, pl. ii, fig. 8, ROUGEMONT, Bull. Soc. Neuchatel xxix.
C. selika, Peru, THIERRY-MIEG, p. 181, Naturaliste 1905, **n. sp.**
Cidariophanes stellaris, Bolivia, WARREN, p. 358, Nov. Zool. xii, **n. sp.**
Cimicodes angustipennis, Bolivia, p. 66, *ferruginea*, Peru, p. 67, WARREN, t. c. **n. sp.**
Cirrhorheuma **n. g.** *Hydriomeninæ*, *pallidimargo* **n. sp.**, Peru, WARREN, p. 329, t. c.
Cirrhosoma **n. g.** near *Berberodes*, p. 54, *translucida* **n. sp.**, Peru, p. 55, WARREN, t. c.
Cnemodes simplex, Peru, WARREN, p. 320, t. c. **n. sp.**
Cnephora catocalaria, Peru, WARREN, p. 368, t. c. **n. sp.**
Cœlura dissocia, Paraguay, WARREN, p. 41, t. c. **n. sp.**
Cœnocalpe custodiata Guen. = (*centrostrigaria* Wall.), WARREN, p. 442, t. c.
C. euboliata, p. 329, *ignifera*, *nitida*, p. 330, Peru, WARREN, t. c. **n. spp.**
Colpodonta **n. g.** type *Azelina prinienta* Dogn. (=*phyllodontaria* Warr.), WARREN, p. 369, t. c.
Cophocerotis casta, Peru, WARRÉN, p. 341, t. c. **n. sp.**
Cosymbia maderensis ab. n. *irrufata*, WARREN, p. 441, t. c.
C. marcida, Sudan, WARREN & ROTHSCHILD, p 27, pl. iv, fig. 28, t. c.; *C. nitidata*, Natal, WARREN, p. 387, t. c. **n. spp.**
Craspedia immaculata, Ivory Coast, WARREN, p. 388, t. c. **n. sp.**
Craspedosis albistriata, Batchian, WARREN, p. 431, t. c.; *C. cyanea*, *desmiata*, New Guinea, ROTHSCHILD & JORDAN, p. 468, Nov. Zool. xii : **n. spp.**
Crocallis elinguaria abb., pl. ii, fig. 9, MÖBIUS, Iris Dresden xviii.
Crypsimetalla fimbriata, *flava*, Solomon Islds., WARREN, p. 428, Nov. Zool. xii, **n. spp.**
Crypsityla subrosea, Colombia, WARREN, p. 321, t. c. **n. sp.**
Ctenistochlora **n. g.** *Deilininæ* for *Aplochlora fallax*, WARREN, p. 428, t. c.
Cyllopoda latiflava, Colombia, *tenuis*, Parana, WARREN, p. 312, t. c. **n. spp.**
Cymatophora subcrinita, Peru, WARREN, p. 63, t. c.; *C. limbata*, *muscitincta*, Peru, WARREN, p. 354, t. c. **n. spp.**
Decetia uniformis, Solomon Islds., WARREN, p. 8, t. c. **n. sp.**
Deinoptila peninsula Dogn., ♀, WARREN, p. 331, t. c.
Derambila = (*Rambara* Moore, and ?*Chionopteryx* Snell.), WARREN, p. 382, t. c.
D. costipunctata, Sierra Leone, WARREN, p. 383, t. c. **n. sp.**
Diastictis festa Hulst, validity of, TAYLOR, p. 62, Canad. Ent. 1905.
Dichromatopoda hepaticata, Colombia, WARREN, p. 321, Nov. Zool. xii, **n. sp.**
Dichromodes ida, New Zealand, pl. xxii, fig. 2, p. 356, HUDSON, Tr. N. Zealand Inst. xxxvii, **n. sp.**
Dilophodes amplificata, Sikkim, BASTELBERGER, p. 22, Ent. Zeitschr. Guben xix, **n. sp.**
Dioptis vitrifera, Peru, WARREN, p. 43, Nov. Zool. xii; *D. vacuata*, Panama, WARREN, p. 313, t. c. **n. spp.**
Dirades unicauda, sex distinctions, DUDGEON, p. 404, J. Bombay Soc. xvi.
Dysphania, synonymical notes and varr. n., BASTELBERGER, pp. 201–224, Stettin Ent. Zeit. lxvi; *D. cyane*, *flavimargo* is distinct, WARREN, p. 440, Nov. Zool. xii.
D. interrupta, Sumatra, p. 206, *nigrostriata*, Borneo, p. 211, *goramensis*, Goram, p. 214, *splendida*, Cooktown, p. 216, *sericata*, Sumatra, p. 219, BASTELBERGER, Stettin Ent. Zeit. lxvi; *D. azurea*, p. 115, *cancellata*, N. Borneo, *peregrina*, Obi, p. 116, BASTELBERGEB, Ent. Zeitschr. Guben xviii : **n. spp.**
Ectropis (*Tephrosia*) *consonaria*, ab. n. *nigra*, BANKES, p. 89, Ent. Mag. 1905.

E. inelegans, Niger, WARREN, p. 398, Nov. Zool. xii, **n. sp.**
Emmiltis bisinuata, Angola, p. 388, *cervinata*, W. Africa, *khakiata*, Natal, p. 389, WARREN, Nov. Zool. xii; *E. elyra*, Kashmir, SWINHOE, p. 628, Ann. Nat. Hist. (7) xvi; *E. placida*, *plenistigma*, Solomon Ids., WARREN, p. 423, t. c.; *E. malepicta*, Peru, WARREN, p. 46, t. c.; *E. inquinatula*, Peru, p. 321, *ochratipennis*, Venezuela, p. 322, WARREN, t. c. **n. spp.**
Enconista oberthuri, Madrid, VÁZQUEZ, p. 119, Bol. Soc. espan. v, **n. sp.**
Entephria (=*Glaucopteryx*) *ochribasis*, Argentina, WARREN, p. 333, Nov. Zool. xii.
Ephemerophila penumbrata, Sierra Leone, WARREN, p. 395, t. c. **n. sp.**
Ephialtias aperta, Peru, *dorsispilota*, p. 313, *repetita*, Colombia, *percurrens*, Peru, p. 314, WARREN, t. c. **n. spp.**
Epiplema asinina, p. 380, *fumigera*. Natal, *subdistincta*, Sierra Leone, p. 381, WARREN, t. c.; *E. brunnea*, Obi, p. 411, *catenigera*, *cretistriga*, Solomon Ids., *exsanguis*, Hainan, p. 412, *guttata*, *lignicolor*, Solomon Ids., p. 413, *nigropustulata*, Obi, *umbrimargo*, p. 414, *ustanalis*, Solomon Ids., *ustiplaga*, Hainan, p. 414, *vacuata*, Solomon Ids., *vinculata*, N. Guinea, p. 416, WARREN, t. c.; *E. pœcilaria*, Sumatra, SWINHOE, p. 626, Ann. Nat. Hist. (7) xvi; *E. triangulifera*, Solomon Ids., WARREN, p. 8, Nov. Zool. xii; *E. rotundata*, Paraguay, WARREN, p. 307, t. c. : **n. spp.**
Erateina albiradiata, Bolivia, p. 344, *hyaloplaga*, Peru, p. 345, WARREN, t. c. **n. sp.**
Erebochlora albistrota, Peru, WARREN, p. 331, t. c. **n. sp.**
Eriopygidia subrubescens, Peru, WARREN, p. 332, t. c. **n. sp.**
Erosia veninotata, Costa Rica, WARREN, p. 42, t. c. **n. sp.**
Euchlæna astylusaria, life-history, DYAR, p. 43, Psyche xii.
Euchloris dissimilis, Sudan, WARREN & ROTHSCHILD, p. 26, pl. iv, fig. 27, Nov. Zool. xii, **n. sp.**
Euchoeca comptaria, synonymy, TAYLOR, p. 411, Canad. Ent. 1905.
E. salienta, N. America, PEARSALL, p. 126, Canad. Ent. 1905, **n. sp.**
Euclysia ochrivitta, Bolivia, WARREN, p. 369, Nov. Zool. xii, **n. sp.**
Eucrostes undulilinea, Sierra Leone, WARREN, p. 384, t. c. **n. sp.**
Eucymatoge versiplaga, Peru, WARREN, p. 339, t. c. **n. sp.**
Eudule flavinota ab. n. *nigrata*, WARREN, p. 342, t. c.
E. annuligera, La Merced, *dioptoides*, Costa Rica, p. 341, *plurinotata*, Bolivia, *rnfithorax*, Colombia, p. 342, WARREN, t. c. **n. spp.**
Eumacrodes **n. g.** near *Ptychopoda*, *gracilis* **n. sp.**, Venezuela, WARREN, p. 322, t. c.
Eumelea albimacula Warr. to *Desmobathra*, WARREN, p. 419, t. c.
E. infulata, Solomon Ids., p. 417, *phœnissa*, Obi, p. 418, WARREN, t. c. **n. spp.**
Eumera regina, early stages, REBEL, p. 398, Verh. Ges. Wien 1905.
Euomœa ochrea, Natal, WARREN, p. 409, Nov. Zool. xii, **n. sp.**
Eupileta **n. g.** *Fidoniinæ hirsuta* **n. sp.**, Tijuco, WARREN, p. 362, t. c.
Eupithecia rigida Swinh. to *Eucymatoge*, WARREN, p. 425, t. c.; *E. interruptofasciata*, larva, FLETCHER & GIBSON, p. 262, Canad. Ent. 1905; *E. sinuosaria*, larva, DRAUDT, p. 259, pl. v, figg. 4–9, Iris Dresden xvii.
Eurythecodes fimosa, Sierra Leone, WARREN, p. 38, Nov. Zool. xii, **n. sp.**
Euschema malayaria var. n. *paupera*, *E. remota* varr. n. *auctata*, *albimacula*, THIERRY-MIEG, p. 181, Naturaliste 1905. Cf. also *Pareuschema*.
E. auriplena, Waigiou, THIERRY-MIEG, p. 181, t. c. **n. sp.**
Eutomopepla albicollaris, Peru, WARREN, p. 369, Nov. Zool. xii, **n. sp.**
Exelis ansorgei, Niger Coast, WARREN, p. 409, t. c. **n. sp.**
Gathynia biocellata, Peru, WARREN, p. 308, t. c. **n. sp.**
Geitonia **n. g.** near *Anisoperas*, *gracilinea* **n. sp.**, Chiriqui, WARREN, p. 370, t. c.

Gelasma clemens, Ecuador, WARREN, p. 317, t. c. **n. sp.**
Geometra papilionaria varr. and larva, BURROWS, pp. 200–205, 221–227, pl. viii, Ent. Rec. xvii.
Gonanticlea deleta, New Guinea, WARREN, p. 11, Nov. Zool. xii, **n. sp.**
Gonodela subcretata, Uganda, WARREN, p. 37, t. c.; *G. apicepallens*, p. 401, *lunivallata*, *punctiversa*, p. 402, *rectilinea*, *unicolor*, p. 403, Africa, WARREN, t. c.; *G. semilutea*, Shan States, WARREN, p. 434, t. c. : **n. spp.**
Gullaca exilis, Assam, BASTELBERGER, p. 5, Ent. Zeitschr. Guben xix; *G. derasata*, Madagascar, BASTELBERGER, p. 77, t. c. : **n. spp.**
Gymnoplocia **n. g.** for *Epiplema parvidens* Dogn., WARREN, p. 42, Nov. Zool. xii.
Gynopteryx ligulifera, Parana, WARREN, p. 370, Nov. Zool. xii, **n. sp.**
Hæmalea grisescens, Peru, WARREN, p. 46, Nov. Zool. xii; *H. brunneata*, Colombia, p. 322, *rufifimbria*, Peru, p. 323, WARREN, t. c. : **n. spp.**
Haggardia spissata, *subalbata*, Natal, WARREN, p. 396, t. c. **n. spp.**
Hammaptera dispansa, Sta. Martha, *fumida*, Peru, WARREN, p. 47, t. c. **n. spp.**
Hemioplisis immaculata, Grenada, WARREN, p. 352, P. U. S. Mus. xxix, **n. sp.**
Herbita castanea, Costa Rica, WARREN, p. 371, Nov. Zool. xii, **n. sp.**
Heterephyra duplicata, Colombia, WARREN, p. 323, t. c. **n. sp.**
Heteroplasta lasioplaca Lower, to *Polyclysta*, BASTELBERGER, p. 22, Ent. Zeitschr. Guben xix.
Heterusia ovaliplaga, Peru, WARREN, p. 53, Nov. Zool. xii; *H. cœcata*, Peru, WARREN, p. 345, t. c. : **n. spp.**
Hirasa denticulata to *Hirasodes*, WARREN, p. 396, t. c.
Holorista dentatilinea, Solomon Ids., WARREN, p. 428, t. c. **n. sp.**
Homospora rhodoscopa Low. (as *Onychodes*)=(*procrita* Turn.), LOWER, p. 178, Tr. R. Soc. S. Austral. xxix.
Hyalopola marginata, Peru, WARREN, p. 56, Nov. Zool. xii, **n. sp.**
Hygrochroma? cervinata, Colombia, WARREN, p. 371, t. c. **n. sp.**
Hylemera subfulva, Sierra Leone, WARREN, p. 395, t. c. **n. sp.**
Hyphedyle divisa, Peru, WARREN, p. 43, t. c. **n. sp.**
Hypocœla uniformis, Uganda, WARREN, p. 385, t. c. **n. sp.**
Hypolepis fulva, *fuscata*, Peru, WARREN, p. 48, t. c. **n. spp.**
Hypophracta **n. g.** *Œnochrominæ*, *persimilis* **n. sp.**, East Africa, WARREN, p. 382, t. c.
Hyposidra leprosata, Uganda, WARREN, p. 38, t. c.; *H. rauca*, *vittata*, Cagayan Sulu, WARREN, p. 437, t. c. : **n. spp.**
Hyrmina protecta, Brit. Guiana, KAYE, p. 121, pl. iii, fig. 8, Ent. Rec. xvii, **n. sp.**
Ira capnodiata ab. n. *reducta*, WARREN, p. 372, Nov. Zool. xii.
I. crenulata, Peru, WARREN, p. 372, t. c. **n. sp.**
Iridopsis grisescens, Quito, *subnigrata*, Peru, WARREN, p. 355, t. c. **n. spp.**
Ischnopteris conjungens, p. 59, *projectata*, p. 60, Peru, WARREN, t. c.; *I. brunneoviridis*, p. 359, *degener*, p. 360, Peru, WARREN, t. c. : **n. spp.**
Isochromodes denotata, distinct not var. of *auxilians*, WARREN, p. 372, t. c.
I. straminea, p. 67, *turbinata*, p. 68, Peru, WARREN, t. c. **n. spp.**
Iulocera **n. g.** type *Azata variegata* Warr., *I. albiapicata* **n. sp.**, Halmaheira, WARREN, p. 434, t. c.
Iza mediovincta, Amazons, WARREN, p. 307, t. c. **n. sp.**
Josia radians, Sta. Marta, WARREN, p. 44, t. c.; *J. turgida*, with ab. n. *conifera*, Venezuela, WARREN, p. 314, t. c. : **n. spp.**
Larentia sordidata and *autumnalis*, sexual differences, PETERSEN, p. 73, cuts, Mem. Ac. St. Petersb. (8) xvi, No. 2; *L. multistrigaria*, melanism, MORLEY, pp. 170, 171, Ent. Rec. xvii.

L. eximiata, Rhine, FUCHS, Ent. Zeitschr. Guben xviii, No. 32, Beilage; *L. rewaensis*, Fiji, pl. viii, fig. 7, p. 94, BETHUNE-BAKER, P. Zool. Soc. London 1905, i : **n. spp.**

Lasiopates **n. g.** *Mecoceratinæ*, p. 310, *hyacinthina* **n. sp.**, Ecuador, p. 311, WARREN, Nov. Zool. xii.

Lasiophanes **n. g.** near *Perizoma*, *rufisticta* **n. sp.**, Peru, WARREN, p. 333, t. c.

Leptaletis variabilis ab. n. *ampliflava*, WARREN, p. 383, t. c.

Leptesthes circumflexaria = (*Hyposidra megaspila* Moore, Hamps.), SWINHOE, p. 627, Ann. Nat. Hist. (7) xvi.

Leptomeris quinquelinearia, life-history, DYAR, p. 93, Psyche xii.

Leucodesmia confusa, Ceylon, WARREN, p. 422, Nov. Zool. xii, **n. sp.**

Leucula meganira ab. n. *astigma*, WARREN, p. 350, t. c.

Lignyoptera thaumastaria ♀, REBEL, p. 23, Verh. Ges. Wien 1905.

Lipocentris **n. g.** near *Emmiltis*, *rubriceps* **n. sp.**, Angola, WARREN, p. 389, Nov. Zool. xii.

Lipomelia rubicunda, Trinidad, WARREN, p. 324, t. c. **n. sp.**

Lisomma **n. g.** near *Hypographa himerata* **n. sp.**, S. Australia, and includes *Monoctenias minuta* Swinh., WARREN, p. 418, t. c.

Lissochlora intacta, Dominica, WARREN, p. 318, t. c. **n. sp.**

Lissopsis margarita, Peru, WARREN, p. 343, t. c. **n. sp.**

Lomaspilis casta, Transvaal, WARREN, p. 35, t. c. **n. sp.**

Lomographa extremata, Peru, WARREN, p. 53, t. c.; *L. inæquata*, p. 348, *venata*, p. 349, Peru, WARREN, t. c. : **n. spp.**

Loxapicia cognata, Peru, WARREN, p. 68, t. c. **n. sp.**

Loxotephria **n. g.** *Semiothisinæ*, p. 13, *olivacea*, **n. sp.**, p. 14, Hainan, WARREN, t. c.

Lythria purpuraria cruentaria, DEMAISON, p. 255, Bull. Soc. ent. France 1905; *L. purpuraria*, varr. at Reims, DEMAISON, p. 125, t. c.; *L. purpuraria*, variation, DEMAISON, Bull. Soc. Reims xiv, p. 30.

L. fulva, New Zealand, HUDSON, p. 357, pl. xxii, fig. 3, Tr. N. Zealand Inst. xxxvii, **n. sp.**

Macaria liturata ab. n. *nigrofulvata*, COLLINS, p. 45, Ent. Rec. xvii.

Marmopteryx griseata, and ab. *subrufata*, Bolivia, WARREN, p. 343, Nov. Zool. xii, **n. sp.**

Medasina leledaria, Khasia Hills, SWINHOE, p. 503, Ann. Nat. Hist. (7) xv; *M. pallidimargo*, Kashmir, SWINHOE, p. 627, op. cit. xvi : **n. spp.**

Melanchroia albifascia, *astigma*, Peru, WARREN, p. 349, t. c. **n. sp.**

Melanolophia canadaria, life-history, DYAR, p. 58, Psyche xii.

Melinodes fulvitincta, Argentina, WARREN, p. 69, Nov. Zool. xii, **n. sp.**

Melinoessa suballbida, Uganda, WARREN, p. 35, t. c. **n. sp.**

Mesocœla seriata, Angola, WARREN, p. 38, t. c. **n. sp.**

Mesoleuca vasiliata, life-history, DYAR, p. 25, Psyche xii.

Mesothisa **n. g.** near *Hyposidra*, p. 403, *M. flaccida*, *gracilinea* **n. sp.**, W. Africa, p. 404, WARREN, Nov. Zool. xii.

Mesotrophe? subrubata, Solomon Ids., WARREN, p. 10, t. c. **n. sp.**

Metallospora **n. g.** near *Hypephyra*, p. 38, *catori* **n. sp.**, Sierra Leone, p. 39, WARREN, t. c.

Miantochora, the female, WARREN, p. 405, t. c.

Microgonia affinis ab. n. *intensa*, p. 373, *M. præditaria* ab. n. *rufa*, p. 375, WARREN, t. c.

M. alternata, p. 373, *crepusculata*, Dominica, *coarctata*, Peru, p. 374, WARREN, t. c.; *M. roseata*, S. Africa, WARREN, p. 385, t. c.; *M. vestigiata*, Kashmir, SWINHOE, p. 629, Ann. Nat. Hist. (7) xvi : **n. spp.**

Microxydia gigantula, *pumaria*, Peru, WARREN, p. 375, Nov. Zool. xii, **n. spp.**

Milionia glauca var. n. *basirubra*, THIERRY-MIEG, p. 181, Naturaliste 1905.

M. pericallis, *callima*, p. 467, *aglaia*, p. 468, New Guinea, ROTHSCHILD & JORDAN, Nov. Zool. xii, **n. spp.**
Mimaletis albipennis, Sierra Leone, WARREN, p. 384, Nov. Zool. xii, **n. sp.**
Mixocera torsilinea, Paraguay, WARREN, p. 44, t. c. **n. sp.**
Mnesiloba seminigra, Assam, BASTELBERGER, p. 77, Ent. Zeitschr. Guben xix, **n. sp.**
Monobolodes schistacea, Solomon Ids., WARREN, p. 8, Nov. Zool. xii, **n. sp.**
Myrice Walk. = (*Hemigymnodes* Warr.), WARREN, p. 315, t. c.
Myrmecophantes assimilis, Peru, WARREN, p. 56, t. c. **n. sp.**
Nadagarodes pulverata, p. 435, *purpuraria*, p. 436, Solomon Ids., WARREN, t. c. **n. spp.**
Negla tenuiorata and *nachtigali*, distinguished, WARREN, p. 394, t. c.
Nelo decipiens, Ecuador, *tricolor*, Bolivia, THIERRY-MIEG, p. 181, Naturaliste 1905, **n. spp.**
Nemoria dorsicristata, Natal, WARREN, p. 34, Nov. Zool. xii, **n. sp.**
Neodesmodes **n. g.** near *Ischnopteris*, p. 360, *semialbata* **n. sp.**, Peru, p. 361, WARREN, t. c.
Neoscelis cristata Warr. (as *Gymnoscelis*) = (*rivula* Hamps.), WARREN, p. 11, t. c.
Neostega flavata, *obscurata*, W. Africa, WARREN, p. 393, t. c. **n. spp.**
Nesophila **n. g.** *Semiothisinæ*, *vulgaris* **n. sp.**, Solomon Ids., WARREN, p. 436, t. c.
Nipteria dispansa ab. n. *infurcata*, WARREN, p. 57, t. c.
N. directa, p. 56, *elongaria*, *fumosata*, p. 57, *pallidilinea*, *subbrunnea*, p. 58, Peru, WARREN, t. c.; *N. excavata*, *flavipectus*, p. 350, *infirma*, *pieridaria*, *subsordida*, p. 351, S. America, WARREN, t. c. : **n. spp.**
Nomenia **n. g.** for *Epirrhita duodecimlineata* Pack., PEARSALL, p. 126, Canad. Ent. 1905; *Nomenia*, cf. also *Venusia*.
Nopia admiranda, Natal, WARREN, p. 406, Nov. Zool. xii, **n. sp.**
Noreia dentilineata, Cagayan Sulu, WARREN, p. 419, t. c. **n. sp.**
Notoreas ischnocyma, New Zealand, MEYRICK, Tr. ent. Soc. London 1905, **n. sp.**
Numia deceptrix, Tucuman, WARREN, p. 69, Nov. Zool. xii, **n. sp.**
Obolcola despecta, Ivory Coast, WARREN, p. 400, t. c. **n. sp.**
Ochroplutodes crocea, Durban, WARREN, p. 392, t. c. **n. sp.**
Ochyria discata, Natal, WARREN, p. 391, t. c.; *O. amaura*, Quito, WARREN, p. 333, t. c. : **n. spp.**
Œnoptila ? *subconfusa*, p. 60, *Œ. subfasciata*, p. 61, Peru, WARREN, t. c. **n. spp.**
Œnospila stellata, variation, WARREN, p. 422, t. c.
Omphalucha **n. g.** *Bistoninæ*, p. 396, *hirta*, Durban; p. 397, *O.* ? *rufinubes*, Angola, **n. spp.**, p. 398, and incl. *Aphilopota ambusta*, WARREN, t. c.
Oospila depressa, Costa Rica, WARREN, p. 45, t. c.; *O. thalassina*, Peru, WARREN, p. 318, t. c. : **n. spp.**
Opisthoxia argenticincta, Peru, WARREN, p. 55, t. c.; *O. fulvata*, Venezuela, p. 347, *scintillans*, Peru, p. 348, WARREN, t. c. : **n. spp.**
Ophthalmophora chouya, Peru, THIERRY-MIEG, p. 193, Naturaliste 1905; *O. humilis*, Peru, WARREN, p. 55, Nov. Zool. xii; *O. hybridata*, Bolivia, WARREN, p. 347, t. c. : **n. spp.**
Orsonoba ? *euryscopa*, Queensland, LOWER, p. 178, Tr. R. Soc. S. Austral. xxix; *O. orthogrammaria*, Hong Kong, LONGSTAFF, p. 184, Ent. Mag. 1905 : **n. spp.**
Orthonama pudibunda, Peru, *straminea*, Bolivia, WARREN, p. 334, Nov. Zool. xii.
Orthoprora albiplaga, *balteata*, Peru, WARREN, p. 49, t. c. **n. spp.**
Ourapteryx gisela, Java, THIERRY-MIEG, p. 192, Naturaliste 1905, **n. sp.**
Oxyfidonia **n. g.** *Fidoniinæ*, *fulvida* **n. sp.**, Sierra Leone, WARREN, p. 400, Nov. Zool. xii.

Ozola convergens, Ceylon, WARREN, p. 419, t. c. **n. sp.**
Panthera semiconfluens, Peru, WARREN, p. 56, t. c. **n. sp.**
Parachoreutes merged in *Leptoctenopsis*, WARREN, p. 310, t. c.
Paracomistis maculata, Peru, WARREN, p. 69, t. c. **n. sp.**
Paradarisa ? *viriditincta*, Usambara, WARREN, p. 399, t. c. **n. sp.**
Paragramma **n. g.** *Hydriomeninæ*, p. 424, *mimula* **n. sp.**, Solomon Ids., p. 425, WARREN, t. c.
Paragyrtis **n. g.** *Monocteniidæ* for *Panagra inostentata* Walk., MEYRICK, p. 222, Tr. ent. Soc. London 1905.
Parascotia nisseni, Algeria, TURATI, p. 42, pl. viii, fig. 1, Natural. Sicil. xviii, **n. sp.**
Pareclipsis insolita, Sierra Leone, WARREN, p. 39, Nov. Zool. xii, **n. sp.**
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Peratophyga bifasciata, Hainan, WARREN, p. 13, t. c. **n. sp.**
Pergama dissimilis, Peru, WARREN, p. 375, t. c. **n. sp.**
Peridela butaria ab. n. *spilota*, WARREN, p. 405, t. c.; *P. ochracea* to *Xenoecista*, WARREN, p. 437, t. c.
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Perixera impudens, locality is Galapagos Islds., WARREN, p. 72, t. c.
P. ustipennis, Solomon Islds., WARREN, p. 423, t. c. **n. sp.**
Perizoma albirasa, *carnepicta*, p. 335, *fallax*, Peru, *ochritincta*, Huatuxco, p. 336, WARREN, t. c. **n. spp.**
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Perusia verticata, Peru, WARREN, p. 377, t. c. **n. sp.**
Petrophora convallaria, life-history, DYAR, p. 59, Psyche xii.
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Racheolopha rufilimes, Ecuador, WARREN, p. 319, t. c. **n. sp.**
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Rhinoprora ochriplaga, New Guinea, WARREN, p. 425, t. c. **n. sp.**
Rhodesia **n. g.** *Geometrinæ*, *viridalbata* **n. sp.**, Natal, and incl. *Comibæna alboviridata* Saalm., WARREN, p. 386, t. c.
Rhodochlora exquisita, Peru, WARREN, p. 320, t. c. **n. sp.**
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T. cuneilineata, Peru, WARREN, p. 52, Nov. Zool. xii; *T. albiceps*, p. 339, *fumifascia*, *latitans*, p. 340, Peru, WARREN, t. c. : **n. spp.**
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PYRALIDÆ, THYRIDIDÆ.

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E. barypiera, Queensland, LOWER, p. 180, Tr. R. Soc. S. Austral. xxix; *E. caustopa*, Queensland, TURNER, p. 58, P. Soc. Queensland xix : **n. spp.**
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M. cviatella (sic), Chicago, DYAR, p. 34, t. c. **n. sp.**
Metallosticha metallica, Queensland, LOWER, p. 105, Tr. R. Soc. S. Austral. xxix, **n. sp.**
Metracopsis **n. g.** *Schoenobiinæ*, *cuneatalis* **n. sp.**, Ecuador, DOGNIN, p. 63, Ann. Soc. ent. Belgique 1905.
Micrelephas **n. g.** *Pyraustinæ*, *crassipalpis* **n. sp.**, Ecuador, DOGNIN, p. 77, t. c.
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Nacoleia albisectalis, Costa Rica, DOGNIN, p. 72, Ann. Soc. ent. Belgique 1905, **n. sp.**
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Nephopteryx habrostola, Queensland, LOWER, p. 105, Tr. R. Soc. S. Austral.

xxix ; *N. decipientella*, N. America, DYAR, p. 34, P. ent. Soc. Washington vii : **n. spp.**

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Piletocera chrysorycta Meyr. (as *Semioceros*) = (*Nacoleia contingens* Moore), SWINHOE, p. 505, Ann. Nat. Hist. (7) xv.

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Pionea hyalactis, *acutalis*, p. 78, *internexalis*, p. 79, Ecuador, DOGNIN, t. c. **n. spp.**

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Rhodophæa intransitella, Arizona, DYAR, p. 33, P. ent. Soc. Washington vii, **n. sp.**

Salebria palumbella, larva, natural history, SCHÜTZE, pp. 195–199, Iris Dresden xvii.

S. yumaella, *nogalesella*, Arizona, DYAR, p. 35, P. ent. Soc. Washington vii, **n. spp.**

Scoparia æquipennalis, p. 444, *cæcimaculalis*, p. 445, *interlinealis* with ab. *pallidimarginalis*, *semiamplalis*, p. 446, Azores, WARREN, Nov. Zool.

xii ; *S. platymera*, Tasmania, LOWER, p. 107, Tr. R. Soc. S. Austral. xxix ; *S. meliturga*, p. 228, *thyridias*, *dochmia*, p. 229, *triclara*, *phalerias*, p. 230, *sideraspis*, p. 231, New Zealand, MEYRICK, Tr. ent. Soc. London 1905 : **n. spp.**

Sedenia leucopepla, N. W. Australia, TURNER, p. 56, P. Soc. Queensland xix, **n. sp.**

Selagia argyrella, larva and habits, SCHÜTZE, Iris Dresden xvii, pp. 192–195.

Sindris magnifica, pl. v, fig. 4, JORDAN, p. 511, Nov. Zool. xii.

Sporophyla **n. g.** for *Crocydophora œnospora*, MEYRICK, p. 224, Tr. ent. Soc. London 1905.

Staudingeria albipennella=(*perluteella* and *olivacella* Dyar), DYAR, p. 38, P. ent. Soc. Washington vii.

Stenachroia myrmecophila, Queensland, TURNER, p. 54, P. Soc. Queensland xix, **n. sp.**

Stenia lubricalis, Ecuador, DOGNIN, p. 66, Ann. Soc. ent. Belgique 1905, **n. sp.**

Stenorista **n. g.** *Pyraustinæ*, *elongalis* **n. sp.**, Ecuador, DOGNIN, p. 84, t. c.

Stereobela **n. g.** near *Cryptoblabes*, p. 51, *leucomera* **n. sp.**, Queensland, p. 52, TURNER, P. Soc. Queensland xix.

Striglina scalata ab. n. *nigrata*, WARREN, Nov. Zool. xii.

S. ignepicta, Bombay, p. 196, pl. D, fig. 6, HAMPSON, J. Bombay Soc. xvi ; *S. floccosa*, *scintillans*, New Guinea, WARREN, p. 7, Nov. Zool. xii ; *S. curvilinea*, Solomon Ids., WARREN, p. 411, t. c.; *S. brunneata*, Guiana, WARREN, p. 351, P. U. S. Mus. xxix : **n. spp.**

Surattha hedyscopa, N. S. Wales, LOWER, p. 103, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Synchronia xanthosoma, Ecuador, DOGNIN, p. 81, Ann. Soc. ent. Belgique 1905, **n. sp.**

Syntrita **n. g.** *Hydrocampinæ*, p. 65, *umbralis* **n. sp.**, Ecuador, p. 66, DOGNIN, t. c.

Syntypica **n. g.** near *Homœosoma*, p. 44, *aleurodes* **n. sp.**, Australia, p. 45, TURNER, P. Soc. Queensland xix.

Tauroscopa trapezitis, New Zealand, MEYRICK, p. 227, Tr. ent. Soc. London 1905, **n. sp.**

Tetralopha, synonymy of N. American, DYAR, pp. 30–32, P. ent. Soc. Washington vii.

Thaumatopsis fernaldella, *nortella* with var., Assiniboia, KEARFOTT, p. 121, Canad Ent. 1905, **n. sp.**

Titania pyrenœalis, larva, pl. i, figg. 3*a*, *b*, p. 94, KRONE, Jahresber. Wien. ent. Ver. 1904.

Trithyris flavifimbria, Ecuador, DOGNIN, p. 69, Ann. Soc. ent. Belgique 1905, **n. sp.**

Troctoceras **n. g.** *Pyraustinæ*, *occlusalis* **n. sp.**, Ecuador, DOGNIN, p. 69, t. c.

Udea albipunctalis, Ecuador, DOGNIN, p. 79, t. c. **n. sp.**

Unadilla apatelia, Brisbane, TURNER, p. 45, P. Soc. Queensland xix, **n. sp.**

Vitessidia **n. g.** *diaphana* **n. sp.**, New Guinea, ROTHSCHILD & JORDAN, p. 475, Nov. Zool. xii.

Xenophasma **n. g.** *Schoenobiinæ*, *notodontoides* **n. sp.**, Brazil, DOGNIN, p. 62, Ann. Soc. ent. Belgique 1905.

Yosemetia maidella, *mysiella*, Utah, DYAR, p. 36, P. ent. Soc. Washington vii, **n. spp.**

Zeuzerodes fasciata, Peru, WARREN, p. 41, Nov. Zool. xii, **n. sp.**

Zophodia grossulariæ=(*bella* Hulst), DYAR, p. 37, P. ent. Soc. Washington vii.

Z. perdubiella, Utah, DYAR, p. 37, t. c. **n. sp.**

PTEROPHORIDÆ and ORNEODIDÆ.

[Cf. HAMPSON (718), HOUARD (780), MEYRICK (1041, 1043), TUTT (1512).]

The types of *Pterophoridæ* etc., TUTT, pp. 34–37, Ent. Rec. xvii.

The following **n. genn.** are proposed by TUTT, *Gillmeria* type *ochrodactyla*, *Fredericina* type *calodactyla*, *Capperia* type *heterodactyla*, *Adkinia* type *bipunctidactyla*, *Ovendenia* type *septodactyla*, *Buckleria* type *paludum*, *Adkinia* type *microdactyla*, *Hellinsia* type *osteodactylus*, *Emmelina* type *monodactyla*, *Merrifieldia* type *tridactyla*, *Porrittia* type *galactodactyla*, *Wheeleria* type *spilodactyla*, Ent. Rec. xvii, p. 37.

Alucita sesamitis, Burma, MEYRICK, p. 582, J. Bombay Soc. xvi, **n. sp.**

Orneodes hübneri, galls, HOUARD, p. 31, Marcellia iv.

O. thapsina, *ischalea*, Ceylon, MEYRICK, p. 583, J. Bombay Soc. xvi, **n. spp.**

Oxyptilus zanclistes, p. 581, Burma, *causodes*, Ceylon, p. 582, MEYRICK, t. c. **n. spp.**

Platyptilia epotis, New Zealand, MEYRICK, Tr. ent. Soc. London 1905, **n. sp.**

Titanoptilus **n. g.** near *Trichoptilus*, p. 248, *melanodonta* **n. sp.**, Uganda, p. 249, HAMPSON, Tr. ent. Soc. London 1905.

Triscœdecia **n. g.** *Orneodidæ*, *dactyloptera* **n. sp.**, Ceylon, HAMPSON, p. 247, t. c.

TORTRICIDÆ.

[Cf. DEWITZ (411, 412), DISQUÉ (420), DOGNIN (438), FERNALD (555, 556, 735), KEARFOTT (829–832), MEYRICK (1041, 1043), PETERSEN (1155).]

DISQUÉ gives brief note as to larvæ, food-plates, dates of a large number of Central-European species ; Iris Dresden xvii, pp. 209–256.

Acleris heindelana, N. America, FERNALD, p. 170, Amer. Natural. xxxix, **n. sp.**

Amphisa joannisiana Rag., natural history, CHRÉTIEN, p. 129, Naturaliste 1905.

Ancylis albacostana, p. 360, *diminuatana*, p. 361, N. Carolina, KEARFOTT, P. U. S. Mus. xxviii, **n. spp.**

Anchips strianus, Canada, FERNALD, p. 399, Canad. Ent. 1905, **n. sp.**

Ascerodes **n. g.** near *Harmologa*, *prochlora* **n. sp.**, New Zealand, MEYRICK, p. 234, Tr. ent. Soc. London 1905, **n. sp.**

Cacoecia epicyrta, Ceylon, MEYRICK, p. 589, J. Bombay Soc. xvi, **n. sp.**

Catoptria rufana Steph. and *expallidana* Haw., synonymical query, SOUTH, p. 100, Entomologist 1905.

Cnephasia sinuana and *incanana* Steph., synonymical query, SOUTH, p. 98, Entomologist 1905.

Conchylis austrinana, *santolinana*, natural history, CHRÉTIEN, p. 130, Naturaliste 1905 ; *C. sanguisorbana*, larva, GILLMER, p. 315, Iris Dresden xvii ; *C. ambiguella*, natural history, DEWITZ, Zeitschr. Insbiol. i, pp. 193–199, 338 etc.

Cydia imbridana, N. America, FERNALD, p. 400, Canad. Ent. 1905, **n. sp.**

Dipterina hemiclista, New Zealand, MEYRICK, p. 233, Tr. ent. Soc. London 1905, **n. sp.**

Epagoge siderantha, Ceylon, MEYRICK, p. 588, J. Bombay Soc. xvi, **n. sp.**

Epalxiphora axenana, sexes, variation, early stages, QUAIL, pp. 343–350, pl. xxi, Tr. New Zealand Inst. xxxvii.

Eucelis critica, Bombay, MEYRICK, p. 587, J. Bombay Soc. xvi, **n. sp.**

Eucosma robinsoniana var. n. *tryonana*, p. 350, *dorsisignatana* varr. n. *confluana*, *diffusana*, p. 355, KEARFOTT, P. U. S. Mus. xxviii.

E. graciliana, p. 352, *pallidipalpana*, p. 353, *minutana*, p. 356, *sombreana*, p. 357, *rusticana*, *fiskeana*, p. 358, N. Carolina, KEARFOTT, t. c. ; *E.*

pergandeana, North America, FERNALD, p. 399, Canad. Ent. 1905 : **n. spp.**
Eulia pinatubana, N. America, KEARFOTT, p. 9, Canad. Ent. 1905, **n. sp.**
Eurythecta zelæa, N. Zealand, MEYRICK, p. 233, Tr. ent. Soc. London 1905, **n. sp.**
Evetria gemistrigulana, N. Carolina, KEARFOTT, p. 349, P. U. S. Mus. xxviii, **n. sp.**
Grapholitha gemmiferana, larva, pl. 1, fig. 5 *a*, *b*, p. 96, KRONE, Jahresber. Wien. ent. Ver. 1904.
Hastula hyerana, natural history notes, CHAPMAN, pp. 100–104, Ent. Mag. 1905.
Lipoptycha ochropa, Ceylon, MEYRICK, p. 587, J. Bombay Soc. xvi, **n. sp.**
Noteraula sideritis, New Zealand, MEYRICK, p. 232, Tr. ent. Soc. London 1905, **n. sp.**
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Olethreutes, species distinguished by sex differences, PETERSEN, p. 74, Mem. Ac. St. Petersb. (8) xvi, No. 2.
O. deceptana, Assiniboia, KEARFOTT, p. 41, Canad. Ent. 1905, **n. sp.**
Orthocomotis **n. g.** near *Tortrix*, *olivata* **n. sp.**, Colombia, DOGNIN, p. 85, Ann. Soc. ent. Belgique 1905.
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Oxygrapha sagmatias, Ceylon, MEYRICK, p. 588, J. Bombay Soc. xvi, **n. sp.**
Pandemis canadana, N. America, KEARFOTT, p. 90, Canad. Ent. 1905, **n. sp.**
Phalonia badiana, larval food-habits, BANKES, pp. 275, 276, Entomologist 1905 ; *P. angustana* Clem., synonymy, KEARFOTT, p. 363, P. U. S. Mus. xxviii.
P. winniana, N. America, KEARFOTT, p. 10, Canad. Ent. 1905, **n. sp.**
Platypeplus hedræa, *harmonica*, *erotias*, p. 584, *phyllochlora*, *creserias*, *threnodes*, p. 585, *hemiopta*, *rhynchias*, p. 586, Ceylon, MEYRICK, J. Bombay Soc. xvi, **n. spp.**
Polychrosis ; the N. American, KEARFOTT, pp. 287–299, pls. xix, xx, Tr. Amer. ent. Soc. xxx.
P. liriodendrana, p. 293, *slingerlandana*, p. 295, *rhoifructana*, p. 296, N. America, KEARFOTT, t. c. **n. spp.**
Polyortha **n. g.** near *Acalla*, *niveopunctata* **n. sp.**, Ecuador, DOGNIN, p. 85, Ann. Soc. ent. Belgique 1905.
Proteoteras moffatiana, N. America, FERNALD, p. 16, Canad. Ent. 1905, **n. sp.**
Sciaphila trigonana = (*Hemerophila kincaidiella* Busck), KEARFOTT, p. 188, Canad. Ent. 1905.
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Strepsicrates dolopæa, New Zealand, MEYRICK, p. 232, Tr. ent. Soc. London 1905, **n. sp.**
Thiodia dorsiatomana, p. 44, *triangulana*, p. 47, Assiniboia, KEARFOTT, Canad. Ent. 1905, **n. spp.**
Tortrix albicomana var. n. *semipurpurana*, KEARFOTT, p. 9, t. c.
T. symphoricarpana, N. America, KEARFOTT, p. 92, t. c. **n. sp.**
Tribonica **n. g.** near *Heterocrossa*, p. 589, *eremitis* **n. sp.**, Ceylon, p. 590, MEYRICK, J. Bombay Soc. xvi.
Trymalitis **n. g.** near *Commophila*, *margarias* **n. sp.**, Ceylon, MEYRICK, p. 590, t. c.

TINEIDÆ.

[Cf. CHRÉTIEN (316–319), DIETZ (419), DOGNIN (438), ENDERLEIN (506), KEARFOTT (831, 833), KRONE (897), LOWER (980), MEYRICK (1041, 1043), MURTFELDT (1081), PORTIER (1215), SCHÜTZE (1366) SICH

(1391), SITOWSKI (1402), SORHAGEN (1428), WALSINGHAM (1564), WARREN & ROTHSCHILD (1576), ZANDER (1653).]

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Abacobia **n. g.** *Tineinæ*, p. 29, *carbonella* **n. sp.**, Pennsylvania, pl. v, fig. 1, p. 30, DIETZ, t. c.

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Alavona semilactea, Sudan, ROTHSCHILD & WARREN, p. 32, pl. iv, fig. 12, Nov. Zool. xii, **n. sp.**

Alloclita francoeuriæ, Algeria, WALSINGHAM, p. 126, Ent. Mag. 1905, **n. sp.**

Amphoritis **n. g.** near *Xylorycta*, *camelodes*, p. 601, *nycterodes*, p. 602, **n. spp.**, Ceylon, MEYRICK, J. Bombay Soc. xvi.

Amydria brevipennella, p. 5, *coloradella*, *arizonella*, p. 6, *apachella*, p. 7, *curvistrigella*, *pandurella*, *confusella*, p. 8, *onagella* with var. *occidentella*, p. 9, *obliquella*, p. 10, *dyarella*, pl. i, fig. 1, *margoriella*, pl. iii, fig. 5, p. 11, N. America, DIETZ, Tr. Amer. ent. Soc. xxxi, **n. spp.**

Anarsia monetella Feld. to *Tipha*, MEYRICK, p. 593, J. Bombay Soc. xvi.

Anticrates **n. g.** *Plutellidæ*, *chrysantha* **n. sp.**, Ceylon, MEYRICK, p. 612, t. c.

Antiochtha **n. g.** near *Onebala*, *balbidota* **n. sp.**, Ceylon, MEYRICK, p. 598, t. c.

Aponoea **n. g.** near *Holcophora*, *obtusipalpis* **n. sp.**, Algeria, WALSINGHAM, p. 125, Ent. Mag. 1905.

Apotomia **n. g.** *Amydriinæ*, *fractiliniella* **n. sp.**, California, DIETZ, p. 17, Tr. Amer. ent. Soc. xxxi.

Apreta **n. g.** *Amydriinæ*, p. 20, *paradoxella* **n. sp.**, California, p. 21, DIETZ, t. c.

Aproærema zonariella, *mitrella*, p. 39, *acanthyllidis*, p. 40, *thaumalea*, p. 41, *deverræ*, p. 124, Algeria, WALSINGHAM, Ent. Rec. 1905, **n. sp.**

Archimaga **n. g.** *Plutellidæ*, p. 608, *pyractis* **n. sp.**, Ceylon, p. 609, MEYRICK, J. Bombay Soc. xvi.

Aristotelia youngella, Ontario, KEARFOTT, p. 15, Canad. Ent. 1905, **n. sp.**, but is a synonym of *Enchrysa dissectella* Zell., BUSCK, t. c. p. 87.

Artenacia **n. g.** *Hyponomeutides*, *jaurella* **n. sp.**, S. France, CHRÉTIEN, p. 30, Naturaliste 1905.

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B. zophosema, N. S. Wales, LOWER, p. 108, Tr. R. Soc. S. Austral. xxix ; *B.* (*Œcophora*) *penthalea*, *B. chloradelpha*, p. 239, *thranias*, *melanamma*, p. 240, *loxotis*, *pharmactis*, p. 241, New Zealand, MEYRICK, Tr. ent. Soc. London 1905 ; *B. argentidisca*, Brazil, DOGNIN, p. 90, Ann. Soc. ent. Belgique 1905 : **n. spp.**

Breckenridgia ? *chrysurella*, Colorado, DIETZ, p. 42, Tr. Amer. ent. Soc. xxxi, **n. sp.**

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C. involucrella, San Ildefonso, CHRÉTIEN, p. 144, Naturaliste 1905; *C. pudica*, N. S. Wales, LOWER, p. 111, Tr. R. Soc. S. Austral. xxix: **n. spp.**
Comodica decaspila, *epispora*, *citrinopa*, Queensland, LOWER, p. 114, Tr. R. Soc. S. Austral. xxix, **n. spp.**
Compsistis orthophanes, New Zealand, MEYRICK, p. 243, Tr. ent. Soc. London 1905, **n. sp.**
Copromorpha pleurophanes, Ceylon, MEYRICK, p. 606, J. Bombay Soc. xvi, **n. sp.**
Copromorphidæ n. fam. for *Copromorpha*, MEYRICK, p. 606, t. c.
Crobylophora staterias, Ceylon, MEYRICK, p. 613, t. c. **n. sp.**
Cryptolechia spilotella Walk. to *Torodora*, MEYRICK, p. 600, t. c.
C. miniata, *semibrunnea*, *asemanta*, p. 88, *C.? latitans*, p. 89, S. America, DOGNIN, Ann. Soc. ent. Belgique 1905, **n. spp.**
Cryptophaga aglaodes, ♂, *C. blackburnii*=(*Xylorycta neomorpha* Turn.), LOWER, p. 110, Tr. R. Soc. S. Austral. xxix.
Cuphodes dicastis, Ceylon, MEYRICK, p. 606, J. Bombay Soc. xvi, **n. sp.**
Depressaria hirtipalpis, larva, KRONE, p. 83, pl. i, fig. 6, Jahresber. Wien. ent. Ver. 1905.
Dryadaula myrrhina, p. 243, New Zealand, *napæa*, Tasmania, p. 244, MEYRICK, Tr. ent. Soc. 1905, **n. spp.**
Elachista heringi, pl. i, figg. 12 *a*, *b*, *hedemanni*, fig. 13, larvæ, p. 101, KRONE, Jahresber. Wien. ent. Ver. 1904.
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Epactris **n. g.** near *Tinea*, *melanchæta* **n. sp.**, Ceylon, MEYRICK, p. 617, J. Bombay Soc. xvi.
Epermenia kroneella, larva, pl. i, figg. 10 *a*, *b*, p. 99, KRONE, Jahresber. Wien. ent. Ver. 1904.
Epilegis **n. g.** *Amydriinæ*, p. 16, *cariosella* **n. sp.**, California, p. 17, DIETZ, Tr. Amer. ent. Soc. xxxi.
Epithectis studiosa, Ceylon, MEYRICK, p. 591, J. Bombay Soc. xvi, **n. sp.**
Epichæta **n. g.** *Amydriinæ*, *nepotella* **n. sp.**, California, DIETZ, p. 21, Tr. Amer. ent. Soc. xxxi.
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Eumimographe **n. g.** p. 86, *cupreata*, *longimaculata*, p. 87, **n. spp.**, Ecuador, DOGNIN, Ann. Soc. ent. Belgique 1905.
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Homosaces merged in *Phæosaces*, MEYRICK, p. 605, t. c.
Homosetia obscurella, p. 82, *chrysoadspersella*, pl. ii, fig. 8, p. 83, *maculatella*, p. 84, *H.* (*Stenoptinea* subg. n.?) *ornatella*, pl. iv, fig. 3, *auriferella*, p. 87, *H.? heteropalpella*, pl. iii, fig. 3, p. 88, DIETZ, Tr. Amer. ent. Soc. xxxi, **n. spp.**

Homostinea **n. g.** *Tineinæ*, *curviliniella* **n. sp.**, N. America, pl. vi, fig. 8, DIETZ, p. 71, t. c.

Hypelictis **n. g.** near *Ypsolophus*, *acrochlora* **n. sp.**, Ceylon, MEYRICK, p. 600, J. Bombay Soc. xvi.

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Hypertricha stenadelpha, N. S. Wales, LOWER, p. 110, Tr. R. Soc. S. Austral. xxix, **n. sp.**

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Incurvaria rheumapterella, Colorado, pl. i, fig. 4, p. 37, *aureovirens*, Pennsylvania, p. 39, DIETZ, Tr. Amer. ent. Soc. xxxi, **n. spp.**

Irianassa **n. g.** near *Hilarographa*, *sapphiropa* **n. sp.**, Ceylon, MEYRICK, p. 609, J. Bombay Soc. xvi.

Isocorypha **n. g.** *Tineinæ*, type *mediostriatella* Clem., p. 42, *chrysocomella* **n. sp.**, Kansas, p. 43, DIETZ, Tr. Amer. ent. Soc. xxxi.

Izatha (*Semiocosma*) *metadelta*; New Zealand, MEYRICK, p. 238, Tr. ent. Soc. 1900, **n. sp.**

Leucomele **n. g.** *Tineinæ*, p. 89, *miriamella* **n. sp.**, N. America, pl. iii, fig. 8, p. 90, DIETZ, Tr. Amer. ent. Soc. xxxi.

Lithocolletis acaciella, larva, pl. i, fig. 14, p. 102, KRONE, Jahresber. Wien. ent. Ver. 1904.

Macrobathra gastroleuca, N. S. Wales, LOWER, p. 109, Tr. R. Soc. S. Austral. xxix, **n. sp.**

Macrosaces **n. g.** near *Phæosaces*, *thermopa* **n. sp.**, Ceylon, MEYRICK, p. 604, J. Bombay Soc. xvi.

Macrotona platyconta, Ceylon, MEYRICK, p. 597, t. c. **n. sp.**

Melasina tetraspila, p. 615, *autadelpha*, *platyzona*, *energa*, p. 616, Ceylon, MEYRICK, t. c. **n. spp.**

Mesoptyche hebes, Colombia, DOGNIN, p. 89, Ann. Soc. ent. Belgique 1905, **n. sp.**

Monopis dicycla, *tripetala*, Ceylon, MEYRICK, p. 618, J. Bombay Soc. xvi ; *M. irrorella*, Pennsylvania, DIETZ, p. 34, Tr. Amer. ent. Soc. xxxi : **n. spp.**

Nemotois corybantis, Ceylon, MEYRICK, p. 619, J. Bombay Soc. xvi, **n. sp.**

Nephantis **n. g.** near *Xylorycta*, *serinopa* **n. sp.**, Ceylon, MEYRICK, p. 603, t. c.

Nepticula lusatica, Germany, SCHÜTZE, p. 204, Iris Dresden xvii, **n. sp.**

Œdematopoda cypris, Ceylon, MEYRICK, p. 608, J. Bombay Soc. xvi, **n. sp.**

Onebala cremnaspis, Ceylon, MEYRICK, p. 598, t. c. **n. sp.**

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ophrionella, New York, pl. iii, fig. 6, *xanthostictella*, Georgia, p. 56, *mandarinella*, pl. iii, fig. 1, Ohio, p. 57, *roburella*, New Jersey, pl. ii, fig. 3, p. 58, *multistriatella*, Canada, pl. ii, fig. 5, *rileyi*, Florida, p. 59, *molybdanella*, California, pl. iii, fig. 7, p. 61, *geniculatella*, California, p. 62, *apicisignatella*, Pennsylvania, *angulifasciella*, pl. ii, fig. 7, Maryland, p. 65, *interstitiella*, Georgia, *fulvisuffusella*, New Hampshire, p. 68, *nigroatomella*, New Jersey, pl. iii, fig. 4, p. 70, DIETZ, Tr. Amer. ent. Soc. xxxi : **n. spp.**

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Uleia **n. g.** near *Oligotrophus*, *clusiæ* **n. sp.**, Brazil, RÜBSAAMEN, p. 85, Marcellia iv.

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MYCETOPHILIDÆ.

[Cf. COQUILLETT (61, 366), DEL GUERCIO (393), MEUNIER (1034).]

Mycetophilidæ in amber, see p. 129, Palæoentomology.

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Neoempheria pullata, California, COQUILLETT, p. 19, t. c. **n. sp.**
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CHIRONOMIDÆ.

[Cf. COQUILLETT (366), GOELDI (672), JOHANNSEN (820), KNAB (872), KULAGIN (902), LAUTERBORN (921), MEUNIER (1034), MÜLLER (1077), NOÉ (1105), SCHNEIDER (1335).]

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Procladius caliginosus, p. 131, *adumbratus*, p. 132, New York, JOHANNSEN, t. c. **n. spp.**

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CULICIDÆ.

[Cf. ADIE & ALCOCK (11), BILLET (118), BLANCHARD (124), CHALMERS (297), COQUILLETT (367, 371), DASSONVILLE (388), DYAR (473, 475, 477–481, 484), EYSELL (532), FELT (554), GILES (654), GOELDI (672, 673), GRABHAM (684), GREEN (690), GROSSBECK (701), GRÜNBERG (705, 706), HOWARD (787), KULAGIN (901), LEVANDER (946), LUDLOW (984–986), LUTZ (159), MARCHOUX & SIMOND (1007), NEVEU-LEMAIRE (1096, 1097), NUTTALL (1112), PATTON (1140), PRESSAT (1216), SERGENT (1382–1384), STEPHENS & CHRISTOPHER (1448), SMITH (1421), SMITH & GROSSBECK (1422), THEOBALD (1476–1484), UNDERWOOD (1521), VENTRILLON (1537, 1538), WATERHOUSE (1591), WELCH (1613).]

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BOMBYLIIDÆ and ACROCERIDÆ.

[Cf. BEZZI (115), COQUILLETT (61), KÜNCKEL (906, 907), STROBL (1455), VASSILIEW (1534), VILLENEUVE (1550).]

Meigen's types of *Bombyliidæ* in the Paris Museum identified, VILLENEUVE, pp. 304–306, Ann. Soc. ent. France 1905.

Acrocera bakeri, Nevada, COQUILLETT, p. 23, Invert. pacif. i, **n. sp.**

Anthrax flava, natural history, pupa, KÜNCKEL, p. 143, cuts, Bull. Sci. France Belgique xxxix; *A. morio* and others, secondary parasites, VASSILIEW, p. 174, Zeitschr. Insbiol. i.

Systropus barbiellinii, p. 271, *chinensis*, p. 275, Pekin, BEZZI, Redia ii; *S. conopoides*, Buenos Ayres, KÜNCKEL, p. 147, pl. iv, figg. 13–15, Bull. Sci. France Belgique xxxix : **n. spp.**

Usia novakii, Zara, STROBL, p. 526, Wiss. Mitt. Bosnien ix, **n. sp.**

EMPIDÆ.

[Cf. BEZZI (113, 114), COQUILLETT (61), STROBL (1455).]

Catalogue of neotropical *Empidæ*, 185 species, BEZZI, pp. 456–460, Ann. Mus. Hungar. iii.

Apalocnemis variegata, Peru, BEZZI, p. 450, Ann. Mus. Hungar. iii, **n. sp.**

Cladodromia **subg. n.** cf. *Hemerodromia*.

Clinocera (*Rœderia*) *czernyi*, Italy, p. 362, *C.* (*Wiedemannia*) *oxystoma*, p. 364, S. France, *tricuspidata*, *Mehadia*, p. 365, BEZZI, t. c. **n. spp.**

Empis ambigua, p. 439, *lucidilabris*, p. 440, *micropyga*, p. 441, Peru, *bullata*, Bolivia, p. 442, BEZZI, t. c. **n. spp.**

Haplomera gymnopoda, p. 448, Peru, *notogramma*, p. 449, Bolivia, BEZZI, t. c. **n. spp.**

Hemerodromia (*Cladodromia* subg. n. p. 453) *inca*, p. 454, *cana*, p. 455, Peru, BEZZI, t. c. **n. spp.**

Hilara tetragramma, exserted sacs, LICHTWARDT, p. 310, Zeitschr. Hym. Dipt. v.

Hilarempis **n. g.** p. 443, for part of *Hilara* from the southern hemisphere, and *xanthocera*, p. 444, *polychæta*, p. 445, *nudifacies*, p. 446, **n. spp.**, Peru, BEZZI, Ann. Mus. Hungar. iii.

Hybos hyalopterus, p. 425, *neotropicus*, p. 426, Peru, BEZZI, t. c. **n. spp.**

Lamprempis tuberifera, p. 435, *calopoda*, p. 436, Peru, *gemmea*, Bolivia, p. 437, BEZZI, t. c. **n. spp.**

Microphorus dalmatinus, S. E. Europe, STROBL, p. 527, Wiss. Mitt. Bosnien ix, **n. sp.**

Rhamphomyia curvipes, California, COQUILLETT, p. 24, Invert. pacif. i; *R. boliviana*, p. 429, *leucophenga*, *villosipes*, p. 430, *dolichocera*, *orthoneura*, p. 431, *pulchriventris*, p. 432, *abdominalis*, *rotundipennis*, p. 433, Peru or Bolivia, BEZZI, Ann. Mus. Hungar. iii : **n. spp.**

Syneches phæopterus, p. 427, *pyramidatus*, p. 428, Peru, BEZZI, t. c. **n. spp.**

Tachydromia fascipes var. n. *obscurior*, STROBL, p. 528, Wiss. Mitt. Bosnien ix.

T. dalmatina, S. E. Europe, STROBL, p. 527, t. c. **n. sp.**

Dolichopidæ.

Catalogue and tables of British *Dolichopodidæ* continued, Verrall, pp. 50 etc., etc.

Table of genera of N. American *Dolichopidæ*, Aldrich, pp. 269–272, Tr. Amer. ent. Soc. xxx.

Agonosoma rotundiceps, Florida, *costale*, Tifton, Aldrich, p. 286, t. c. **n. spp.**

Cryptophleps allied to *Chrysotus* ♂, Lichtwardt, p. 309, Zeitschr. Hym. Dipt. v.

Hercostomus grallator, and *pilifer* are one, Lichtwardt, p. 309, t. c.

Paraclius vicinus, Massachusetts, Aldrich, p. 277, Tr. Amer. ent. Soc. xxx, **n. sp.**

Pelastoneurus scutatus, *parvus*, p. 276, *falcatus*, p. 277, *proximus*, p. 278, N. America, Aldrich, t. c. **n. spp.**

Psilopodinus pilicornis, N. America, *gracilis*, Brazil, p. 282, *crinitus*, Florida, *imperator*, Brazil, p. 283, *viridicoxa*, *flavipes*, N. America, p. 284, Aldrich, t. c. **n. spp.**

Pipunculidæ.

Natural history, larva and puparium, Perkins, Bull. exp. Stat. Hawaii i, pt. iv.

Pipunculus cruciator, p. 137, *eucalypto*, *erinys*, p. 138, *hylæus*, p. 139, *dolichostigmus*, p. 140, *fallax*, *lamellifer*, *comitans*, *agamus*, p. 141, *cinerascens*, p. 142, *beneficiens*, p. 143, *helluo*, *kœbelei*, p. 144, *monas* *picrodes*, p. 145, *anthracias*, *erypsichalcus*, p. 146, *microdes*, p. 147, *homeophanes*, *xanthocnemis*, p. 148, *heterostigmus*, p. 149, *synadelphus*, *epichalcus*, p. 150, *pseudophanes*, *leimonias*, p. 151, *nyctias*, p. 152, Australia, *juvator*, p. 152, *oahuensis*, *terryi*, p. 153, *swezeyi*, p. 154, *hawaiiensis*, p. 155, Hawaiian Islds., Perkins, Bull. exp. Stat. Hawaii i, pt. 4, **n. spp.**

Syrphidæ.

[Cf. Brèthes (188), Coquillett (61), Moodie (1061), Pandellé (1132), Strobl (1455), Terry (1475), Wood (1641).]

Baccha siphanticida, p. 177, pl. x, fig. 5, *puparium*, fig. 6, *monobia*, p. 178, Queensland, Perkins, Bull. Lab. Hawaii i, pt. v; *B. bonariensis*, S. America, Brèthes, p. 340, An. Mus. Buenos Aires (3) iv : **n. spp.**

Cheilosia; monograph of French species, Pandellé, Rev. Ent. franc. 1905, pp. 25–44.

C. plumosa, Nevada, Coquillett, p. 25, Invert. pacif. i, **n. sp.**

Milesia mida, Arizona, Moodie, p. 138, Ent. News Philad. xvi, **n. sp.**

Orthoneura nobilis var. n. *byzantina*, Strobl, p. 538, Wiss. Mitt. Bosnien ix.

Syrphus flavomarginatus, S. E. Europe, Strobl, p. 539, t. c. **n. sp.**

Xanthandrus comtus, larva and larval habits, pupa, Chapman, p. 150, Ent. Mag. 1905; *X. comtus*, seasons, Billups, p. 185, Ent. Mag. 1905.

Conopidæ.

Glossigona nigritarsis, S. E. Europe, Strobl, p. 543, Wiss. Mitt. Bosnien ix, **n. sp.**

PHORIDÆ.

[Cf. BRUES (200, 201), MEUNIER (1036, 1040).]

Phoridæ mining in wings of *Morpho*, SZILÁDY (1470).

Aphiochæta peruviana, p. 396, *tarsata*, *delicatula*, p. 397, *bella*, p. 398, Peru, BRUES, Ann. Mus. Hungar. iii; *A. apicalis*, p. 544, *tibialis*, p. 545, *limbata*, India, *rustica*, p. 546, *planifrons*, p. 547, New Guinea, *crassimana*, p. 548, *debilis*, Australia, *minutissima*, New Guinea, p. 549, *sodalis*, Sydney, p. 550, BRUES, t. c. **n. spp.**
Chonocephalus similis, Bombay, BRUES, p. 554, t. c. **n. sp.**
Conicera bicolor, Singapore, *simplex*, New Guinea, BRUES, p. 553, t. c.; *C. kerteszii*, Peru, BRUES, p. 399, t. c. : **n. spp.**
Dorniphora, subg. of *Phora*, the species, BRUES, p. 542, t. c.
Hypocera difformis, New Guinea, BRUES, p. 543, t. c. **n. sp.**
Phora sp. in Madagascar copal, MEUNIER, p. 92, Miscell. ent. xiii.
P. copalina, p. 211, pl. i, figg. 3, 4, 5, *ethiopia*, p. 212, figg. 6, 7, Zanzibar, copal, MEUNIER, Rev. Sci. Bourbonnais 1905; *P. papuana*, New Guinea, BRUES, p. 541, Ann. Mus. Hungar. iii, **n. sp.**
Plastophora **n. g.** p. 551, *beirne* **n. sp.**, New Guinea, p. 552, and *Phora formicarum* varr., BRUES, t. c.
Puliciphora occidentalis, sexes, BARBER, p. 2, P. ent. Soc. Washington vii.

ŒSTRIDÆ.

Popular notes as to *Hypoderma*, larva, KERTÉSZ, pp. 513–517, Termes. Kozl. Magyar Tars 1905.
Cuterebra abdominalis, p. 182, *albifrons*, p. 183, *fasciata*, p. 184, N. America, SWENK, J. N. York Ent. Soc. xiii, **n. spp.**

MUSCIDÆ CALYPTRATÆ.

[Cf. AUSTEN (45–47), CARPENTER (280), COQUILLETT (61, 370), DÖNITZ (448), DU ROSELLE (467), DUTTON, etc. (469), GEDOELST (647), GRIMSHAW (694), GRÜNBERG (707), KRAMER (888, 889), LAMPA (912), MEUNIER (1036, 1040), MINCHIN (1044), RÖHLER (1288), SANDER (1319), STEPHENS (1447), STROBL (1455), TULLGREN (1555), WAINWRIGHT (1561), XAMBEU (1645).]

Notes on various larvæ, supposed to be those of *Muscidæ*, or *Œstridæ*, found in Africa, in man and mammals, with bibliography of the subject, GEDOELST, Arch. parasit. ix, pp. 568–592.

Admontia setigera, California, COQUILLETT, p. 36, Invert. pacif. i, **n. sp.**
Anthomyia conformis, habits, GROSSER, p. 4, Jahresber. Schlesisch. Ges. lxxxii; *A. antiqua*, natural history, LAMPA, pp. 60–64, pl. i, Ent. Tidskr. xxvi; *A. dissimilipes*, natural history, TULLGREN, pp. 172–176, Ent. Tidskr. xxvi; *A.* (*Achantiptera*) *signata* Brischke, overlooked, habits, occurrence in Scotland, SPEISER, p. 463, Zeitschr. Insbiol. i.
Auchmeromyia luteola, larval habits, DUTTON, p. 90, J. trop. Med. viii; *A. luteola*, natural history, DUTTON, TODD & CHRISTY, pp. 49–54, pl. iii, Thompson Yates Lab. Rep. vi.
Biomya mutabilis, Nevada, COQUILLETT, p. 37, Invert. pacif. i, **n. sp.**
Bucentes Latr. to be used instead of *Siphona* (cf. *Siphona*), SPEISER, p. 462, Zeitschr. Insbiol. i.
Cœnosia argentata, p. 33, *majuscula*, p. 34, California, COQUILLETT, Invert. pacif. i, **n. spp.**

Cordylobia murium, E. Africa, in dogs, DÖNITZ, p. 246, plate, SB. Ges. naturf. Berlin 1905, **n. sp.**

Erigone rudis etc., synonymy, AUSTEN, pp. 57–60, Ent. Mag. 1905: WAINWRIGHT, t. c. pp. 204, 205. Cf. also *Varichæta*.

Exorista aristella, natural history, XAMBEU, p. 57, Naturaliste 1905; *E. vulgaris*, host and parasite, FRIEDRICHS, p. 494, Zeitschr. Insbiol. i.

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Homalomyia schembrii, *ornata*, distinguished, STROBL, p. 553, Wiss. Mitt. Bosnien ix; *H. canicularis*, larva in man, description of larva, STEPHENS, p. 120, Thompson Yates Lab. Rep. vi.

Hydrotæa; revision of British, GRIMSHAW, pp. 237–249 (to be cont.), Ent. Mag. 1905.

Hypostena setiventris, parasitic on *Tetrix*, RODZIANKO, p. 696, C.R. Congr. Zool. vi.

Lispa polita, Nevada, COQUILLETT, p. 34, Invert. pacif. i, **n. sp.**

Lucilia sericata and allied forms in Australia, FROGGATT, pp. 16–22, 1 pl., Agric. Gaz. N. S. W. xvi.

Micropalpus; the British species, WAINWRIGHT, pp. 199–202, Ent. Mag. 1905.

Musca corvina, larva attacking man, description of larva, STEPHENS, p. 119, Thompson Yates Lab. Rep. vi; *M. vomitoria*, antenna and its sense-organs, RÖHLER, Zool. Jahrb. Anat. xxii, pp. 273–279.

Myobia multiciliata, Madagascar, in copal, MEUNIER, p. 91, Miscell. ent. xiii, **n. sp.**

Phorocera (*Parasetigena*) *nigrofasciata*, S. E. Europe, STROBL, p. 548, Wiss. Mitt. Bosnien ix, **n. sp.**

Parasteinia **n. n.** for *Tetrachæta* Stein, COCKERELL, p. 361, Canad. Ent. 1905.

Pegomyia betæ, natural history, metamorphosis, CARPENTER, pp. 289–291, pls. xxiii, xxiv, Econ. Proc. Dublin Soc. i.

Phaonia fimbriata, Nevada, COQUILLETT, p. 35, Invert. pacif. i, **n. sp.**

Plagia hilfii, S. E. Europe, STROBL, p. 546, Wiss. Mitt. Bosnien ix, **n. sp.**

Roeselia antiqua and *pallipes* distinguished, WAINWRIGHT, p. 203, Ent. Mag. 1905.

Sarcophaga; ♂ genitalia with numerous figures, DU ROSELLE, pp. 5–11, pls. 1 & 2, Mem. Soc. Nord France xi; *S.*; specific characters of European, KRAMER, pp. 12–16, cuts, Zeitschr. Hymn. Dipt. v.

S. kuntzei, p. 13, *neglecta*, p. 14, Europe, KRAMER, t. c.; *S. pauciseta*, *ambigua*, p. 331, *appendiculata*, *lusatica*, p. 332, Germany, KRAMER, t. c.: **n. spp.**

Siphona irritans, not *Hæmatobia*, SPEISER, p. 461, Zeitschr. Insbiol. i.

Thelairodes ischyri, Cuba, COQUILLETT, p. 362, Canad. Ent. 1905, **n. sp.**

Thryptocera media, Zanzibar, copal, MEUNIER, p. 212, pl. i, figg. 8, 9, Rev. Sci. Bourbonnais 1905.

Varichæta Speiser=(*Erigone* auctt.), WAINWRIGHT, p. 205, Ent. Mag. 1905.

MUSCIDÆ ACALYPTRATÆ.

[Cf. ADAMS (6), BECKER (89), BENHAM (96), BRÈTHES (188), BROUN (195), CARPENTER (278), COQUILLETT (61), LESNE (942), DE MEIJERE (1024), MEUNIER (1038, 1040), NIELSEN (1100), NOEL (1107), SPEISER (1434), STROBL (1455).]

Agromyza, fossil, see Palæoentomology. *A. abiens* var. n. *apfelbecki*, STROBL, p. 566, Wiss. Mitt. Bosnien ix; *A. carbonaria*, natural history, its effects on wood, NIELSEN, pp. 221, 222, Zool. Anz. xxix; *A. simplex*, larva and pupa, LESNE, p. 14, Bull. Soc. ent. France 1905.

A. remotinervis, p. 566, *novakii*, p. 567, S. E. Europe, STROBL, Wiss. Mitt. Bosnien ix, **n. spp.**

Chlorops novakii, S. E. Europe, STROBL, p. 562, t. c. **n. sp.**

Chyliza robusta, Nevada, COQUILLETT, p. 28, Invert. pacif. i, **n. sp.**

Cyclocephala **n. g.** *Notiphilinæ*, *margininervis* **n. sp.**, S. E. Europe, STROBL, p. 563, Wiss. Mitt. Bosnien ix, **n. sp.**

Dacus (*Tephritis*) *xanthodes*, New Zealand, in imported fruit, BROUN, p. 327, Tr. New Zealand Inst. xxxvii, **n. sp.**

Diplotoxa (*Pseudopachychæta* subg. n.) *pachycera*, S. E. Europe, STROBL, p. 561, Wiss. Mitt. Bosnien ix, **n. sp.**

Drosophila melanogaster Meig. = (*ampelophila* Loew), injuring grapes in England, AUSTEN, pp. 276–278, Ent. Mag. 1905; *D.*, in vinegar factories, NOEL, p. 13, Naturaliste 1905; *D.*, experiments as to movements, CARPENTER, pp. 157–171, Amer. Natural. xxxix.

Eccoptomera simplex, Nevada, COQUILLETT, p. 32, Invert. pacif. i, **n. sp.**

Ephydra sp., New Zealand, larva, BENHAM, p. 308, pl. xvii, Tr. New Zealand Inst. xxxvii.

Euaresta adspersa, California, COQUILLETT, p. 30, Invert. pacif. i, **n. sp.**

Euxesta argentina, Tucumán, BRÈTHES, p. 342, An. Mus. Buenos Aires (3) iv, **n. sp.**

Hippelates microcentrus, California, COQUILLETT, p. 28, Invert. pacif. i, **n. sp.**

Melieria occidentalis, Nevada, COQUILLETT, p. 29, t. c. **n. sp.**

Ochthiphila juncorum var. n. *flavicornis*, STROBL, p. 565, Wiss. Mitt. Bosnien ix.

Oscinis; table of N. American, ADAMS, pp. 109, 110, Ent. News Philad. xvi.

O. minor, *nuda*, *ovalis*, p. 110, *trisulcata*, p. 111, Louisiana and Texas, ADAMS, **t. c. n. spp.**

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P. flavotibialis, S. E. Europe, STROBL, p. 567, Wiss. Mitt. Bosnien ix, **n. sp.**

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Pseudopachychæta **subg. n.** cf. *Diplotaxa*.

Pseudosphærocera **n. g.** *luteipennis* **n. sp.**, STROBL, p. 568, Wiss. Mitt. Bosnien ix.

Sapromyza cæsia, Nevada, p. 31, *univittata*, California, p. 32, Invert. pacif. i, **n. spp.**

Scatophila curtipennis, Ile des États, BECKER, p. 192, Ann. Soc. ent. Belgique 1905, **n. sp.**

Siphonella fucicola, Java, DE MEIJERE, p. 160, Notes Leyden Mus. xxv, **n. sp.**

Spilographa inæqualis, Nevada, COQUILLETT, p. 29, Invert. pacif. i, **n. sp.**

Tephritis palpalis, Nevada, BAKER, p. 30, Invert. pacif. i, **n. sp.**

Tetanocera punctulata reared from *Dichrorampha*, CROMBRUGGHE, p. 205, Ann. Soc. ent. Belgique 1905.

Zagonia **n. g.** *Geomyzidæ*, *flava* **n. sp.**, California, COQUILLETT, p. 27, Invert. pacif. i.

PUPIPARA.

[Cf. RIBEIRO (1265), SPEISER (1437).]

Basilia **n. g.** *ferruginea* **n. sp.** on *Vespertilio*, Minas Geraes, RIBEIRO, Arch. Mus. Rio. Jan. xii, p. 175, pl. i.
Hippobosca capensis=(*Ornithomyia chinensis* Gigl.), SPEISER, p. 349, Zeitschr. Hym. Dipt. v.
Icosta **n. g.** type *Olfersia dioxyrhina*, SPEISER, p. 358, t. c.
Lipoptena cervi=(*Ornith. nigrirostris* Roser), p. 351, *L. chalcomelæna*, p. 352, SPEISER, t. c.
L. efovea, Ceylon, p. 352, *sepiacea*, S. Africa, p. 353, *conifera*, Brazil, p. 354, SPEISER, t. c. **n. spp.**
Olfersia nigra, p. 356, SPEISER, t. c.
O. trita, Tenasserim, p. 357, *nigrita*, Manila, p. 358, SPEISER, t. c. **n. spp.**
Ornithomyia anchineuria n. n. for *pallida* Say, p. 348, *paricella* n. n. for *chilensis* Reed, *O. chloropus*, p. 350, SPEISER, t. c.
Pseudolfersia mycetifera, Red Sea, SPEISER, p. 359, t. c. **n. sp.**

APHANIPTERA.

[Cf. BAKER (53, 55, 62, 67), ENDERLEIN (508), GROSS (700), HERZOG (741), KOHAUT (873), LASS (918), MEISSNER (1025), NOC (1104), RAINBOW (1232), ROTHSCHILD (1299–1303).]

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Structure and metamorphosis of *Pulex canis* with some notes on habits; LASS, Zeitschr. wiss. Zool. lxxix, pp. 73–131, pls. v, vi.
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*A new species of rat flea, HERZOG (741).
Flea, popular account in Hungarian, KOHAUT, Termes. Kozl. Magyar Tars. xxxvii, pp. 369–386.
Fleas and disease, see Economic, p. 99.

Anomiopsyllus californicus, Los Angeles, BAKER, p. 39, Invert. pacif. i, **n. sp.**
Argopsylla **n. g.** for *Sarcopsylla gallinacea*, ENDERLEIN, p. 263, Valdivia Exp. iii. [overlooked in 1903].
Ceratophyllus farreni, England, ROTHSCHILD, p. 255, Ent. Mag. 1905; *C. telchinum*, p. 153, pl. viii, fig. 21, *pœantis*, p. 155, pl. vii, figg. 22, 23, *acamantis*, p. 156, pl. viii, figg. 24, 25, *terinus*, p. 158, pl. viii, fig. 26, and ix, fig. 29, *bacchi*, p. 159, pl. ix, fig. 34, *eumolpi*, p. 161, pl. vi, figg. 3, 4, *quirini*, p. 163, pl. vi, fig. 1, *abantis*, p. 164, pl. vi, fig. 10, *euphorbi*, p. 165, pl. vi, fig. 11, *æger*, p. 166, pl. vi, figg. 5, 7, 9, *agilis*, p. 167, pl. vii, figg. 16–18, *nepos*, p. 168, pl. vii, figg. 13, 14, *acasti*, p. 168, pl. vii, figg. 19, 20, *lucifer*, p. 170, pl. vi, fig. 12, *pollionis*, p. 171, pl. ix, figg. 28, 31, 32, *telegoni*, p. 172, pl. ix, figg. 27, 30, ROTHSCHILD, Nov. Zool. xii; *C. calceatus*, p. 481, pl. xiii, figg. 3, 4, *robinsoni*, p. 483, pl. xiii, fig. 6, Malay States, *vicinus*, Namaqualand, pl. xiii, fig. 7, *stratiotes*, Gaboon, pl. xiv, fig. 8, p. 484, ROTHSCHILD, t. c.; *C. rothschildi*, N. S. Wales, on *Dasyurus*, RAINBOW, p. 103, Rec. Austral. Mus. vi; *C. acutus*, California, BAKER, p. 40, Invert. pacif. i: **n. spp.**
Ceratopsyllidæ n. fam., BAKER, p. 137, P. U. S. Mus. xxix.
Ceratopsyllus crosbyi **n. sp.**, Missouri, BAKER, p. 137, t. c.
Ctenocephalus canis and *felis* not distinct, BAKER, p. 131, t. c.
Ctenopsyllidæ n. fam., BAKER, p. 136, t. c.

C. ellobius, Namaqualand, ROTHSCHILD, p. 490, pl. xiv, figg. 13–15, Nov. Zool. xii, **n. sp.**
Dolichopsylla **n. g.** for *Ceratophyllus stylosus*, BAKER, p. 135, P. U. S. Mus. xxix.
Echidnophaga ambulans Olliff., RAINBOW, pp. 100–102, pl. xxiii, Rec. Austral. Mus. vi.
Goniopsyllus **n. g.** type *kerguelensis*, BAKER, p. 128, P. U. S. Mus. xxix.
Hystrichopsyllidæ n. fam., BAKER, p. 136, t. c.
Hoplopsyllus **n. g.** type *anomalus*, BAKER, p. 129, t. c.
Lycopsyllidæ n. fam. for *Lycopsylla* Rothsch., BAKER, p. 127, t. c.
Macropsylla **n. g.** near *Hystrichopsylla*, *hercules* **n. sp.**, Tasmania, pl. xiv, figg. 9, 10, ROTHSCHILD, p. 486, Nov. Zool. xii.
Malacopsylla ; the three species, BAKER, p. 126, P. U. S. Mus. xxix.
M. tolypeutis, Argentina, ENDERLEIN, p. 139, Zool. Anz. xxix, **n. sp.**
Odontopsyllus **n. g.** type *multispinosus*, p. 129, BAKER, P. U. S. Mus. xxix.
Pulex canis and *felis* distinguished, ROTHSCHILD, Nov. Zool. xii, p. 192, cuts.
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Rhopalopsyllus **n. g.** type *lutzii*, BAKER, p. 129, P. U. S. Mus. xxix.
Spilopsyllus **n. g.** type *leporis*, BAKER, p. 129, t. c.
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S. simsoni, Tasmania, ROTHSCHILD, p. 61, t. c. **n. sp.**
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(E.) *HEMIPTERA* OR *RHYNCHOTA.*

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HEMIPTERA-HETEROPTERA.

PENTATOMIDÆ.

[Cf. BERGROTH (97, 98), BREDDIN (180, 181, 183, 184), HEIDEMANN (732), HORVÁTH (776), KIRKALDY (856), KUHLGATZ (898), MORRILL (1070), REUTER (1261), SCHOUTEDEN (1339–1344, 1347), VAN DUZEE (1527).]

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Antestia oliva, N. S. Wales, pl. viii, fig. 7, p. 206, VAN DUZEE, t. c. **n. sp.**
Apines geminata, N. S. Wales, pl. viii, fig. 8, p. 206, VAN DUZEE, t. c. **n. sp.**
Aspavia brunnea = *cœlatata* Dist., SCHOUTEDEN, p. 51, Wien. ent. Zeit. xxiv.
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Ilerda Stål = *Lerida* Karsch = *Menuthias* Kirk., SCHOUTEDEN, p. 51, Wien. ent. Zeit. xxiv.

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Menestheus brevis, N. S. Wales, pl. viii, fig. 3, p. 200, VAN DUZEE, Bull. Amer. Mus. xxi, **n. sp.**

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Pœcilometis stigmatus, N. S. Wales, pl. viii, fig. 3, *edwardsi*, Victoria, fig. 4, p. 198, VAN DUZEE, t. c. **n. spp.**
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COREIDÆ.

[Cf. ANNANDALE (29), BERGROTH (98, 99), BREDDIN (180, 181), KIRKALDY (856).]

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LYGÆIDÆ.

[Cf. BERGROTH (98), BERGROTH & SCHOUTEDEN (100), BREDDIN (180, 181), DISTANT (433, 435), HORVÁTH (776, 779), KIRKALDY (856).]

Blissus diplopterus, Cape Colony, DISTANT, p. 434, Tr. S. African Soc. xiv, **n. sp.**
Cligenes æthiops, Cape Colony, DISTANT, p. 435, t. c. **n. sp.**
Cymus nocturnus, *waelbroecki*, Congo, BERGROTH, p. 380, Ann. Soc. ent. Belgique 1905, **n. sp.**
Geocoris itonis, Japan, HORVÁTH, p. 414, Ann. Mus. Hungar. iii; *G. willeyi*, New Britain, KIRKALDY, p. 349, pl. xvii, fig. 8, Tr. ent. Soc. London 1905 : **n. spp.**
Lethæus nodulinervis, Madagascar, BERGROTH, p. 373, Ann. Soc. ent. Belgique 1905, **n. sp.**
Letheaster **n. g.** p. 124, *anthocorides* **n. sp.**, Java, p. 125, BREDDIN, Mt. Mus. Hamburg xxii.
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Pachygrontha miriformis, Banguey, BREDDIN, p. 213, Mt. Mus. Hamburg xxii, **n. sp.**
Pachymerus nereis, Lifu, KIRKALDY, p. 347, pl. xvii, fig. 7, Tr. ent. Soc. London 1905, **n. sp.**
Pamera lounsburyi, Cape Colony, DISTANT, p. 435, Tr. S. African Soc. xiv, **n. sp.**
Peritrechus gracilicornis var. n. *xanthopus*, HORVÁTH, p. 272, Bol. Soc. espan. v.
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Taphropeltus championi, Guadarrama, REUTER, p. 52, Tr. ent. Soc. London 1905, **n. sp.**

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PYRRHOCORIDÆ.

[Cf. BERGROTH (98), BREDDIN (181), KIRKALDY (856), KUHLGATZ (898, 899), SCHOUTEDEN (1341).]

Cenæus exsanguis Gerst. to *Odontopus*, BERGROTH, p. 371, Ann. Soc. ent. Belgique 1905.

Dynamenais **n. g.** for *Ectatops venustus* Walk., KIRKALDY, p. 343, Tr. ent. Soc. London 1905.

Dysdercus cingulatus, larval stages, KUHLGATZ, pp. 595–616, Zool. Jahrb. Suppl. viii ; *D. sidæ*, valid sp., p. 81, pl. ii, figg. 8, 9, *cingulatus*, pl. ii, figg. 15, 16, p. 83, *superstitiosus* and allies, pp. 86, 87, natural history, larval notes, pp. 98–101, KUHLGATZ, Mt. Mus. Berlin iii.

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Physopelta seria, Java, BREDDIN, p. 127, Mt. Mus. Hamburg xxii, **n. sp.**

TINGIDÆ.

[Cf. BERGROTH & SCHOUTEDEN (100), DISTANT (435), HORVÁTH (777, 779), KIRKALDY (859).]

Acalypta carpathica, Roumania, *sejuncta*, Armenia, HORVÁTH, p. 561, Ann. Mus. Hungar. iii, **n. spp.**

Acanthocheila kahavalu, Peru, KIRKALDY, p. 216, Bull. Soc. ent. France 1905, **n. sp.**

Aconchus **subg. n.** cf. *Galeatus*.

Americia annæ, Peru, KIRKALDY, p. 216, Bull. Soc. ent. France 1905, **n. sp.**

Astolphos **n. g.** near *Phatnoma*, p. 428, *capitatus* **n. sp.**, Cape Town, pl. viii, fig. 5, p. 429, DISTANT, Tr. S. African Soc. xiv.

Biskria sareptana var. n. *adelpha*, HORVÁTH, p. 563, Ann. Mus. Hungar. iii.

B. lepida, Tunis, HORVÁTH, p. 562, t. c. **n. sp**

Campylosteira falleni var. n. *miridita*, p. 558, *pilifera* var. n. *humilis*, p. 560, and var n. *diminuta*, p. 561, HORVÁTH, t. c.

C. dispar, p. 558, *cognata*, p. 559, *sororcula*, 560, Algeria, HORVÁTH, t. c. **n. spp.**

Catoplatus nigriceps, Europe, HORVÁTH, p. 569, t. c. **n. sp.**

Compseuta montandoni, Delagoa Bay, pl. viii, fig. 15, DISTANT, p. 434, Tr. S. African Soc. xiv, **n. sp.**

Copium glabricorne to *Eurycera*, fig. pl. viii, fig. 9, DISTANT, p. 430, t. c.

Derephysia nigricosta, Spain, HORVÁTH, p. 272, Bol. Soc. espan. v, **n. sp.**

Dictyonota tricornis varr., HORVÁTH, p. 563, Ann. Mus. Hungar. iii.

D. æthiops, Algeria, p. 563, *iberica*, S. Spain, p. 563, HORVÁTH, t. c. **n. spp.**

Galeatus consimilis, Spain, HORVÁTH, p. 273, Bol. Soc. espan. v ; *G.* (*Aconchus* subg. n. p. 566), *urbanus*, Italy, p. 565, HORVÁTH, Ann. Mus. Hungar. iii : **n. spp.**

Hædus **n. g.** near *Leptostyla*, *clypeatus* **n. sp.**, Cape Colony, p. viii, fig. 12, DISTANT, p. 432, Tr. S. African Soc. xiv.

Hanuala **n. g.** near *Eurypharsa*, *leinahoni* **n. sp.**, Peru, KIRKALDY, p. 217, Bull. Soc. ent. France 1905.

Hyalochiton **subg. n.** of *Galeatus*, for *G. komaroffi* Jak., HORVÁTH, p. 566, Ann. Mus. Hungar. iii.

Lullius **n. g.** near *Serenthia*, p. 429, *major*, pl. viii, fig. 7, *L.? minor*, fig. 8, **n. spp.**, Cape Colony, p. 430, DISTANT, Tr. S. African Soc. xiv.

Monanthia montandoni var. n. *rivalis*, p. 570, *putoni* var. n. *pulla*, p. 572, HORVÁTH, Ann. Mus. Hungar. iii.

M. ruficeps, Tunis, *subdola*, Araxes Valley, HORVÁTH, p. 571, t. c.; *M. mitrata*, Grahamstown, pl. viii, fig. 14, DISTANT, p. 433, Tr. S. African Soc. xiv : **n. spp.**

Monosteira cleopatra, Egypt, HORVÁTH, p. 572, Ann. Mus. Hungar. iii, **n. sp.**

Physatocheila confinis, S. E. Europe etc., HORVÁTH, p. 570, t. c. **n. sp.**

Phyllontocheila waelbroecki, Congo, SCHOUTEDEN, p. 381, Ann. Soc. ent. Belgique 1905; *P. junodi*, Transvaal, pl. viii, fig. 10, DISTANT, p. 431, Tr. S. African Soc. xiv : **n. spp.**

Sanazarius **n. g.** *Tingidaria*, *cuneatus* **n. sp.**, Cape Colony, pl. viii, fig. 11, DISTANT, p. 431, t. c.

Serenthia ruficornis var. n. *dubia*, *femoralis* var. n. *antennata*, p. 556, and varr. n. *thoracica*, *imbecilla*, p. 557, *læta* var. n. *apicicornis*, p. 557, *nigra* var. n. *collaris*, p. 558, HORVÁTH, Ann. Mus. Hungar. iii.

S. turanica, Turkestan, p. 556, *blandula*, Caucasus, p. 558, HORVÁTH, t. c.; *S. peringueyi*, Cape Town, DISTANT, pl. viii, fig. 6, p. 429, Tr. S. African Soc. xiv : **n. spp.**

Sinalda **n. g.** p. 426 for part of *Phatnoma*, *elegans*, pl. viii, fig. 2, *reticulata*, fig. 3, p. 427, *nebulosa*, fig. 4, p. 428, **n. spp.**, S. Africa, DISTANT, t. c.

Stephanitis azaleæ n. n. for *T. pyrioides* Scott, HORVÁTH, p. 568, Ann. Mus. Hungar. iii.

S. rhododendri, Holland, HORVÁTH, p. 567, t. c. **n. sp.**

Teleonemia australis, Cape Town, pl. viii, fig. 13, DISTANT, p. 432, Tr. S. African Soc. xiv, **n. sp.**

Tingis chlorophana to *Stephanitis*, *auriculata* varr. n., HORVÁTH, p. 569, Ann. Mus. Hungar. iii.

Ulmus **n. g.** *Cantacaderaria*, p. 425, *testudineatus* **n. sp.**, S. Africa, pl. viii, fig. 1, p. 426, DISTANT, Tr. S. African Soc. xiv.

BERYTIDÆ and ARADIDÆ.

[Cf. DISTANT (434), HORVÁTH (774, 776).]

Aneurus greeni, Ceylon, DISTANT, p. 194, Entomologist 1905, **n. sp.**

Aradus consentaneus, Japan, HORVÁTH, p. 415, Ann. Mus. Hungar. iii, **n. sp.**

Megalomerium tenellum, New Guinea, *breviceps*, Hungary, HORVÁTH, p. 57, t. c. **n. spp.**

Parajalysus andinus, *concivis*, Peru, HORVÁTH, p. 60, t. c. **n. spp.**

Pneustocerus **n. g.** *nigricornis* **n. sp.**, New Guinea, HORVÁTH, p. 59, t. c.

Triconulus **n. g.** *ægyptius* **n. sp.**, Egypt, HORVÁTH, p. 58, t. c.

Yemma **n. g.** *exilis* **n. sp.**, Japan, HORVÁTH, p. 56, t. c.

HYDROMETRIDÆ.

[Cf. BREDDIN (180), BUENO (210), DISTANT (435), HORVÁTH (776), MJÖBERG (1050), SCHOUTEDEN (100).]

Angillia germari, Cape Colony, DISTANT, p. 436, Tr. S. African Soc. xiv, **n. sp.**

Gerris ysolt, Java, BREDDIN, p. 130, Mt. Mus. Hamburg xxii, **n. sp.**
Hydrometra martini, habits, BUENO, pp. 12–14, Canad. Ent. 1905; *H. australis* Say, a good species, BUENO, p. 284, t. c.
H. procera, Japan, HORVÁTH, p. 416, Ann. Mus. Hungar. iii; *H. australis*, Georgia, BUENO, p. 15, Canad. Ent. 1905: **n. spp.**
Mesovelia proxima, Congo, SCHOUTEDEN, p. 388, Ann. Soc. ent. Belgique 1905, **n. sp.**
Metrocoris strangulator, Java, BREDDIN, p. 134, Mt. Mus. Hamburg xxii, **n. sp.**
Perittopus vicarians, Java, BREDDIN, p. 129, t. c. **n. sp.**
Ptilomera asbolus, Java, BREDDIN, p. 132, t. c. **n. sp.**
Rhagadotarsus **n. g.** near *Rhagovelia*, p. 136, *kraepelini* **n. sp.**, Java, p. 137, BREDDIN, t. c. **n. spp.**

REDUVIIDÆ.

[Cf. BERGROTH (98, 99), BERGROTH & SCHOUTEDEN (100), BREDDIN (180–182), KIRKALDY (856), VARELA (1532, 1533).]

Allœorrhynchus piceus, Java, BREDDIN, p. 145, Mt. Mus. Hamburg xxii, **n. sp.**
A. perminutus, Congo, BERGROTH, p. 386, Ann. Soc. ent. Belgique 1905, **n. sp.**
Breddinia lobata, p. 98, *B.? gracilis*, p. 99, W. Africa, VARELA, Bol. Soc. espan. v, **n. spp.**
Diarthrotarsus **n. n.** for *Lycimna* Stål, BERGROTH, p. 112, Rev. Ent. franc. 1905.
Ghilianella congoensis, Africa, SCHOUTEDEN, p. 385, Ann. Soc. ent. Belgique 1905, **n. sp.**
Harpactor (*Harpiscus*) *ausmeti*, Guinea, VARELA, p. 97, Bol. Soc. espan. v, **n. sp.**
Heteropinus and *Platymicrus* distinguished, BREDDIN, p. 264, Wien. ent. Zeit. xxiv.
Heza signoreti Fallou, BERGROTH, p. 108, Rev. Ent. franc. 1905.
Katanga fuscolivens, Congo, BERGROTH, p. 373, Ann. Soc. ent. Belgique 1905, **n. sp.**
Margasus ornatus, p. 145, *martini*, p. 146, *nitidus*, *elegans*, p. 147, Madagascar, VARELA, Bol. Soc. espan. v, **n. spp.**
Munia **n. g.** near *Irantha*, p. 99, *schoutedeni* **n. sp.**, Cameroons, p. 100, VARELA, t. c.
Oncocephalus amen, New Britain, KIRKALDY, p. 340, Tr. ent. Soc. London 1905, **n. sp.**
Pasiropsis nabidoides, Java, BREDDIN, p. 145, Mt. Mus. Hamburg xxii, **n. sp.**
Patago **n. n.** for *Hoplogenius* Stål, BERGROTH, p. 112, Rev. Ent. franc. 1905.
Physoderus azrael, New Britain, KIRKALDY, p. 339, Tr. ent. Soc. London 1905, **n. sp.**
Pirates grandis Fallou, BERGROTH, p. 109, Rev. Ent. franc. 1905.
Platymicrus aneuroides, Cameroons, BREDDIN, p. 263, Wien. ent. Zeit. xxiv, **n. sp.**
Pselliopus **n. n.** for *Milyas* Stål, BERGROTH, p. 112, Rev. Ent. franc. 1905.
Pygolampis kinchassæ, Congo, SCHOUTEDEN, p. 384, Ann. Soc. ent. Belgique 1905, **n. sp.**
Sastrapada noctivaga, BERGROTH, p. 382, *vicina*, *S.* (*Harpagochares*) *signata*, p. 383, SCHOUTEDEN, Congo, Ann. Soc. ent. Belgique 1905: **n. spp.**
Scadra nigritula, Java, BREDDIN, p. 147, Mt. Mus. Hamburg xxii, **n. sp.**
Sphedanolestes albigula, Java, BREDDIN, p. 148, t. c. **n. sp.**

Spiniger bergi, p. 110, *paganus*, p. 111, Brazil, BERGROTH, Rev. Ent. franc. 1905, **n. spp.**

Sycanus rhombogaster, Banguey, BREDDIN, p. 217, Mt. Mus. Hamburg xxii, **n. sp.**

Toxopus **n. g.** *Ectrichodiinæ*, p. 374, *politus* **n. sp.**, Madagascar, p. 375, BERGROTH, Ann. Soc. ent. Belgique 1905.

Tragelaphodes bergrothi, E. Africa, BREDDIN, p. 264, Wien. ent. Zeit. xxiv, **n. sp.**

Tribelocephala breviceps, Congo, BERGROTH, p. 375, Ann. Soc. ent. Belgique 1905, **n. sp.**

Zelus peregrinus, natural history, eggs, SWEZEY, p. 232, pl. xvi, Rep. exp. Stat. Hawaii i.

Z. gradarius, Brazil, BERGROTH, p. 109, Rev. Ent. franc. 1905, **n. sp.**

CIMICIDÆ, ANTHOCORIDÆ, HENICOCEPHALIDÆ, CERATOCOMBIDÆ.

[Cf. BERGROTH (98), BERGROTH & SCHOUTEDEN (100), BREDDIN (180), GIRAULT (666, 667), HEIDEMANN (733), HORVÁTH (776).]

Ænictopechys **n. g.** *Henicocephalidæ*, p. 139, *necopinatus* **n. sp.**, Java, p. 140, BREDDIN, Mt. Mus. Hamburg xxii.

Cocles **n. g.** *Henicocephalidæ*, *contemplator* **n. sp.**, Madagascar, BREDDIN, p. 142, t. c.

Clinocoris lectularia, life-history, food-habits, longevity, GIRAULT, Psyche xii, pp. 61–74 ; *C. lectularius* attacks mice, and *C. columbarius* attacks man and mouse, GIRAULT, pp. 117–123, t. c.

Glyptocombus **n. g.** *Ceratocombidæ*, p. 192, *G. saltator* **n. sp.**, Plummer's Is., p. 194, HEIDEMANN, P. ent. Soc. Washington 1905.

Henicocephalus hymenæus, *laticollis*, Madagascar, p. 376, *tuberculatus*, Congo, p. 377, BERGROTH, Ann. Soc. ent. Belgique 1905 ; *H. cornifrons*, Congo, SCHOUTEDEN, p. 385, Ann. Soc. ent. Belgique 1905 ; *H. soriculus*, p. 143, *sanguinipes*, p. 144, Java, BREDDIN, Mt. Mus. Hamburg xxii : **n. spp.**

Hypselosoma matsumuræ, Japan, HORVÁTH, p. 417, Ann. Mus. Hungar. iii, **n. sp.**

Piezostethus congoensis, Congo, BERGROTH, p. 386, Ann. Soc. ent. Belgique 1905, **n. sp.**

CAPSIDÆ.

[Cf. BREDDIN (180), HEIDEMANN (734), HORVÁTH (776, 779), KIRKALDY (856), REUTER (300, 1259, 1262).]

Adelphocoris torquatus, p. 12, *apicalis*, *divergens*, p. 13, *luridus*, p. 14, *fasciiger*, p. 17, *tæniophorus*, p. 18, China, REUTER, Annuaire Mus. St. Petersb. 1905 ; *A. demissus*, Japan, HORVÁTH, p. 418, Ann. Mus. Hungar. iii : **n. spp.**

Amblytylus scutellaris, Spain, HORVÁTH, p. 274, Bol. Soc. espan. v, **n. sp.**

Atractotomus nitidus, Spain, HORVÁTH, p. 275, t. c. **n. sp.**

Chlamydatus longirostris Hérault, REUTER, p. 8, Bull. Soc. ent. France 1905, **n. sp.**

Cobalorrhynchus **n. g.** *Bryocoraria*, p. 1, *biquadrangulifer* **n. sp.**, China, p. 2, REUTER, Annuaire Mus. St. Petersb. 1905.

Cyphodema hilare, Japan, HORVÁTH, p. 419, Ann. Mus. Hungar. iii, **n. sp.**

Deræocoris ater var. n. *amplus*, HORVÁTH, p. 419, t. c.

D. pallidus, p. 419, *elegantulus*, p. 420, Japan, id. t. c. **n. spp.**

Dicyphus nigrifrons, China, REUTER, p. 61, Annuaire Mus. St. Petersb. 1905, **n. sp.**

Ectenellus **n. g.** near *Phylidea*, p. 66, *tibialis* **n. sp.**, China, p. 67, REUTER, t. c.

Ectmetopterus **n. g.** near *Halticus*, p. 59, *angusticeps* **n. sp.**, China, p. 60, REUTER, t. c.

Eucharicoris **n. g.** near *Phylus*, p. 64, *pallidipennis* **n. sp.**, China, p. 65, REUTER, t. c.

Halticus micantulus, Japan, HORVÁTH, p. 422, Ann. Mus. Hungar. iii, **n. sp.**

Imogen **n. g.** p. 337, *formosa* **n. sp.**, New Britain, p. 338, KIRKALDY, Tr. ent. Soc. London 1905.

Læmocoris ? *javanus*, Borobudur, BREDDIN, p. 149, Mt. Mus. Hamburg xxii, **n. sp.**

Leucodellus **n. g.** near *Plagiognathus*, p. 68, *albidus* **n. sp.**, China, p. 69, REUTER, Annuaire Mus. St. Petersb. 1905.

Liistonotus **n. g.** near *Liocoris*, p. 54, *xanthomelas*, p. 55, **n. sp.**, Gansu, REUTER, t. c.

Liocoridea melanostoma, China, REUTER, p. 53, t. c. **n. sp.**

Lopistus **n. n.** for *Lopus* Spin. nec Hahn, KIRKALDY, p. 268, Wien. ent. Zeit. xxiv.

Lygus flavigenis, Japan, HORVÁTH, p. 419, Ann. Mus. Hungar. iii ; *L. rugosicollis*, p. 28, *longipennis*, p. 29, *striicornis*, p. 31, *pulchellus*, p. 33, *potanini*, p. 35, *dasypterus*, p. 37, *trivittulatus*, p. 39, *clavicornis*, p. 41, *validicornis*, p. 42, *bianchii*, p. 44, China, REUTER, Annuaire Mus. St. Petersb. 1905 : **n. spp.**

Mecomma chinensis, Schubagu, REUTER, p. 63, t. c. **n. sp.**

Orthocephalus beresovskii, Gansu, REUTER, p. 57, t. c. **n. sp.**

Pachytomella cursitans, Cantabrian Mts., REUTER, p. 53, Tr. ent. Soc. London 1905, **n. sp.**

Pantiliodes piceus, China, REUTER, p. 7, Annuaire Mus. St. Petersb. 1905, **n. sp.**

Phytocoridea **n. g.** near *Phytocoris*, p. 21, *dispar* **n. sp.**, China, p. 22, REUTER, t. c.

Phytocoris potanini, China, REUTER, p. 4, t. c. **n. sp.**

Pilophorus setulosus, Japan, HORVÁTH, p. 421, Ann. Mus. Hungar. iii, **n. sp.**

Plagiognathus lividus, China, REUTER, p. 73, Annuaire Mus. St. Petersb. 1905, **n. sp.**

Psallus holomelas, p. 69, *alpestris*, p. 70, *opacus*, p. 72, China, REUTER, t. c. ; *P. juniperi*, New York, HEIDEMANN, p. 49, J. N. York Ent. Soc. xiii : **n. spp.**

Pseudoloxops **n. n.** for *Loxops*, Fieb. *P. coccinatus* n. n. for *coccineus* Mey., KIRKALDY, p. 268, Wien. ent. Zeit. xxiv.

Reuteroscopus **n. n.** for *Episcopus* Reut., KIRKALDY, p. 268, t. c.

Stenodema rubrinerve, Japan, HORVÁTH, p. 417, Ann. Mus. Hungar. iii, **n. sp.**

Sthenarus potanini, p. 77, *pallidipes*, p. 78, *interruptus*, p. 79, *niveoarcuatus*, p. 80, REUTER, Annuaire Mus. St. Petersb. 1905, **n. spp.**

Strongylocoris obscurus var. n. *oberthuri*, REUTER, p. 8, Bull. Soc. ent. France 1905.

HYDROCORISÆ.

[Cf. BORDAS (138, 139), BREDDIN (180, 185), BUENO (208, 209, 211–213), HORVÁTH (776), HÜEBER (795), KIRKALDY (862), MONTANDON (1058, 1059), WIELOWIEYSKI (1631).]

Making collections, BUENO, Canad. Ent. 1905, pp. 137–142.

German *Hydrocorisæ*, HÜEBER, Jahresh. Ver. Wurttemb. lxi, pp. 91–175.

Primary reprod. organs, ♂ *Nepa*, BORDAS, C.R. Soc. Biol. lviii, pp. 382–384.
Alimentary canal, *Nepa*, BORDAS, t. c. pp. 169, 170.

Anisops occipitalis, Java, BREDDIN, p. 153, Mt. Mus. Hamburg xxii, **n. sp.**
Enithares intricatus, Java, BREDDIN, p. 154, t. c. **n. sp.**
Gelastocoridæ, the American, BUENO, p. 290, Ohio Natural. v.
Ilyocoris cimicoides, natural history, KIRKALDY, pp. 173–176, Entomologist 1905.
Matinus americanus, Brazil, MONTANDON, p. 404, Ann. Mus. Hungar. iii, **n. sp.**
Micronecta, table and characters of Javanese, BREDDIN, pp. 155–160, Mt. Mus. Hamburg xxii.
M. vanduzeei, Philippines, *thelxinæ*, *memonoides*, Ceylon, *annæ*, p. 262, *erato*, p. 263, Australia, KIRKALDY, Ent. News Philad. xvi ; *M. quadristrigata*, *fugitans*, *ludibunda*, *purdalina*, *inflatula*, Java, BREDDIN, p. 57, Soc. ent. xx ; *M. sedula*, Japan, HORVÁTH, p. 423, Ann. Mus. Hungar. iii : **n. spp.**
Mononyx peruviana, Callanga, MONTANDON, p. 403, Ann. Mus. Hungar. iii, **n. sp.**
Nerthra stygica, pp. 287–289, BUENO, Ohio Natural. v.
Notonecta glauca, migration, PROWAZEK, p. 67, Zeitschr. Insbiol. i.
N. howardii, Arizona, BUENO, p. 151, J. N. York Ent. Soc. xiii, **n. sp.**
Pelocoris horvathi, Brazil, MONTANDON, p. 405, Ann. Mus. Hungar. iii, **n. sp.**
Ranatra, stridulation, BUENO, pp. 85–87, Canad. Ent. 1905 ; *R. longipes* and *varipes*, BREDDIN, p. 152, Mt. Mus. Hamburg xxii.
R. parmata, p. 389, *annulipes*, p. 393, *macrophthalma*, p. 395, *unidentata*, p. 397, MONTANDON, Bull. Soc. Bucarest xiv ; *R. stali*, Philippines, p. 390, *brevicauda*, p. 391, *signoreti*, p. 392, Brazil, *robusta*, Columbia and Surinam, p. 396, MONTANDON, t. c. ; *R. kirkaldyi*, N. America, BUENO, p. 187, Canad. Ent. 1905 : **n. spp.**

HOMOPTERA.

CICADIDÆ.

[Cf. BREDDIN (181), DISTANT (422–432, 670), IMHOF (804), JACOBI (806), KIRKALDY (856), KUHLGATZ (899), UHLER (1515).]

Structure of the wings of *Cicadidæ*, IMHOF, Zeitschr. wiss. Zool. lxxxiii, pp. 211–223.

Abagazara **n. g.** type *Callipsaltria bicolorata* Dist., DISTANT, p. 206, Ann. Nat. Hist. (7) xvi.
Abricta castanea, N. Australia, p. 27, *burgessi*, Queensland, p. 28, DISTANT, t. c. ; *A. elseyi*, N. Australia, DISTANT, p. 281, t. c. : **n. spp.**
Abroma bowringi, China, DISTANT, p. 32, Ann. Nat. Hist. (7) xvi ; *A. philippinensis*, Palouan, DISTANT, p. 561, t. c. ; *A. kedenburgi*, Banguey, BREDDIN, p. 221, Mt. Mus. Hamburg xxii : **n. spp.**
Adenia **n. g.** *Parnisaria*, p. 210, *yerburyi* **n. sp.**, Aden, p. 311, DISTANT, Ann. Nat. Hist. (7) xvi.
Ahomana **n. g.** *Tibicinaria*, p. 23, *neotropicalis*, Peru, *chilensis*, Chile, p. 24, **n. spp.**, DISTANT, t. c.
Akamba **n. g.** *Chlorocystaria*, *æthiopica* **n. sp.**, Trop. Africa, DISTANT, p. 562, t. c.
Aola **n. g.** type *Pomponia bindusara* Dist., DISTANT, p. 69, op. cit. xv.
Arfaka **n. g.** type *Cephaloxys fulva* Walk., DISTANT, p. 276, op. cit. xvi.
Ariasa **n. g.** type *Tympanoterpes colombiæ* Dist., *A. nigrovittata* **n. sp.**, Brazil, DISTANT, p. 314, op. cit. xv.

Ayesha **n. g.** type *Cosmopsaltria spathulata* Stål, DISTANT, p. 63, t. c.
Balinta **n. g.** type *Cicada octonotata* Westw., p. 383, *B. auriginea* **n. sp.**, Mts. Song-Chai, p. 384, DISTANT, t. c.
Basa **n. g.** type *Dundubia singularis* Walk., DISTANT, p. 309, t. c.
Bavea **n. g.** type *Cephaloxys concolor* Walk., the habitat being S. Africa, DISTANT, p. 214, op. cit. xvi.
Burbunga **n. g.** type *Tibicen gilmorei* Dist., *B. inornata* **n. sp.**, W. Australia, DISTANT, p. 29, t. c.
Carineta boliviana, p. 484, *illustris*, p. 485, *peruviana*, p. 486, S. America, DISTANT, op. cit. xv, **n. spp.**
Champaka **n. g.** type *Pomponia viridimaculata* Dist., DISTANT, p. 70, t. c.
Chonosia **n. g.** type *Fidicina crassipennis* Walk., DISTANT, p. 481, t. c.
Cicada grossa, synonymy, UHLER, p. 76, Ent. News Philad. xvi ; *C. nubifurca* Walk. to *Abroma* (cf. *Panka* below), DISTANT, p. 35, Ann. Nat. Hist. (7) xvi ; *C. complex* Walk., note, DISTANT, p. 274, t. c. ; *C. hirundo* Walk. and *conifacies* Walk. to *Purana* ?, *C. nodosa* and *acutipennis* Walk. to *Diceropyga* ?, *C. stipata* Walk. to *Terpnosia* ?, DISTANT, p. 553, t. c.
C. pulverulenta, Madagascar and Seychelles, DISTANT, p. 199, Tr. ent. Soc. London 1905 ; *C. tridentigera*, p. 220, *nesiotes*, p. 221, Banguey, BREDDIN, Mt. Mus. Hamburg xxii ; *C. townsendii*, Arizona, UHLER, p. 74, Ent. News Philad. xvi : **n. spp.**
Collina **n. g.** near *Tibicen*, for *Odopœa biolleyi* (cut on p. 143) and *medea*, DISTANT, Biol. Centr.-Amer. Homopt. i.
Conibosa **n. g.** type *Cephaloxys occidentris* Walk., DISTANT, p. 215, Ann. Nat. Hist. (7) xvi.
Cosmopsaltria tonkiniana, Tonkin, JACOBI, p. 429, pl. xxi, fig. 1, Zool. Jahrb. Syst. xxi ; *C. alticola*, Borneo, DISTANT, p. 200, Tr. ent. Soc. London 1905 : **n. spp.**
Daza **n. g.** type *Zammara montezuma* Walk., DISTANT, p. 480, Ann. Nat. Hist. (7) xv.
Derotettix wagneri, Rio Salado, DISTANT, p. 209, op. cit. xvi, **n. sp.**
Diceropyga boninensis, Bonin Ids., DISTANT, p. 67, op. cit. xv ; *D. aluana*, Solomon Ids., DISTANT, p. 557, op. cit. xvi : **n. spp.**
Diemenia **n. g.** type *Cicada coleoptrata* Walk., DISTANT, p. 206, t. c.
Dokuma **n. g.** type *Dundubia nigristigma* Walk., DISTANT, p. 69, op. cit. xv.
Drepanopsaltria merged in *Prasia*, DISTANT, p. 278, op. cit. xvi.
Dulderana **n. g.** type *Cicada truncatella* Walk., DISTANT, p. 280, t. c.
Dundubiaria, synopsis of genera, DISTANT, pp. 58–70, op. cit. xv.
Fatima **n. g.** type *Cosmopsaltria capitata* Dist., DISTANT, p. 62, t. c.
Fidicina roberti, p. 315, *lacteipennis*, p. 316, Brazil, *flavibasalis*, Ecuador, p. 317, DISTANT, t. c. **n. spp.**
Gœana vestita, Yunnan, DISTANT, p. 121, Entomologist 1905, **n. sp.**
Gazuma **n. g.** *Tibicininæ*, *barrettæ*, *delalandei*, *pretoriæ* **n. spp.**, S. Africa, DISTANT, p. 268, Ann. Nat. Hist. (7) xvi.
Graptotexttix rubromaculatus, Celebes, DISTANT, p. 482, op. cit. xv, **n. sp.**
Guaranisaria **n. g.** *Carinetaria*, *dissimilis* **n. sp.**, Argentina, DISTANT, p. 560, op. cit. xvi.
Gudanga **n. g.** *Parnisaria*, *boulayi* **n. sp.**, W. Australia, DISTANT, p. 208, t. c.
Gymnotympana olivacea, New Guinea, DISTANT, p. 563, t. c. **n. sp.**
Haphsa **n. g.** type *Dundubia nicomache* Walk., *H. crassa* **n. sp.**, Yunnan, DISTANT, p. 64, op. cit. xv.
Hemisciera durhami, Brazil, DISTANT, p. 317, t. c. **n. sp.**
Herrera **n. g.** type *Cicada marginella* Walk., DISTANT, p. 486, t. c.
Hovana **n. g.** type *Hemidictya distanti* Brancs., DISTANT, p. 279, op. cit. xvi.

Inyamana **n. g.** *Tibicininæ*, p. 266, *hæmaris*, *ochracea* **n. spp.**, E. Africa p. 267, DISTANT, t. c.
Iruana **n. g.** near *Lacetas*, *sulcata* **n. sp.**, E. Africa, DISTANT, p. 278, t. c.
Jacatra **n. g.** *Tibicininæ*, *typica* **n. sp.**, Java, DISTANT, p. 277, t. c.
Kamalata javanensis, Java, DISTANT, p. 308, op. cit. xv, **n. sp.**
Khimbya **n. g.** type *Dundubia evanescens* Walk., DISTANT, p. 307, t. c.
Kongota muiri, Natal, DISTANT, p. 671, op. cit. xvi, **n. sp.**
Koranna **n. g.** *Parnisaria*, *analis* **n. sp.**, E. Africa, DISTANT, p. 207, t. c.
Kumanga **n. g.** type *Bacturia sandaracata* Dist., DISTANT, p. 215, t. c.
Lahugada **n. g.** type *Pomponia dohertyi* Dist., DISTANT, p. 304, op. cit. xv.
Lahugadaria, division defined, DISTANT, p. 304, t. c.
Lemuriana **n. g.** type *Cicada apicalis* Germ., p. 32, *L. flavocostata*, E. Africa, *sikoræ*, Madagascar, p. 33, **n. spp.**, DISTANT, op. cit. xvi.
Lethama **n. g.** type *Cephaloxys locusta* Walk., DISTANT. p. 308, op. cit. xv.
Majeorona **n. g.** type *Fidicina aper* Walk., *M. bovilla* **n. sp.**, Chapada, DISTANT, p. 318, t. c.
Mapondera **n. g.** type *Cicada pulchella* Stål, DISTANT, p. 212, op. cit. xvi.
Mardalana **n. g.** for *Cicada congrua* Walk. = (*Chlorocysta macrula* Stål), DISTANT, p. 215, t. c.
Masupha dregei, S. Africa, DISTANT, p. 208, t. c. **n. sp.**
Maua **n. g.** type *Cicada quadrituberculata* Sign., *M. affinis* **n. sp.**, Borneo, DISTANT, p. 61, op. cit. xv.
Meimuna **n. g.** type *Dundubia tripurasura* Dist., DISTANT, p. 67, t. c.
Melampsalta godingi, Australia, *æthiopica*, Zomba, p. 270, *waterhousei*, *lactea*, p. 271, *issoides*, p. 272, Australia, DISTANT, op. cit. xvi, **n. spp.**
Miranha **n. g.** type *Zammara imbellis* Walk., DISTANT, p. 381, op. cit. xv.
Mogannia cæsar, pl. 21, fig. 4, p. 433, JACOBI, Zool. Jahrb. Syst. xxi.
M. mandarina, Hong Kong, p. 385, *horsfieldi*, Java, p. 386, DISTANT, Ann. Nat. Hist. (7) xv, **n. spp.**
Monomatapa socotrana, Socotra, DISTANT, p. 31, op. cit. xvi, **n. sp.**
Munza revoili, Somaliland, DISTANT, p. 192, pl. xi, fig. 5, Tr. ent. Soc. London 1905, **n. sp.**
Mura **n. g.** *Tibiceninæ*, *elegantula* **n. sp.**, Panama, DISTANT, p. 144, Biol. Centr.-Amer. Homopt. i.
Nelcynda madagascariensis, Madagascar, DISTANT, p. 35, Ann. Nat. Hist. (7) xvi, **n. sp.**
Odopœa perspicua, São Thomé, DISTANT, p. 380, op. cit. xv, **n. sp.**
Okanagana **n. g.** type *Cicada rimosa* Say, DISTANT, p. 23, op. cit. xvi.
Ollanta **n. g.** type *mexicana* Dist., DISTANT, p. 313, op. cit. xv.
O. mexicana, Atoyac, DISTANT, p. 141, Biol. Centr.-Amer. Homopt. i, **n. sp.**
Oncotympana virescens, Tibet, DISTANT, p. 201, Tr. ent. Soc. London 1905; *O. fuscata*, N. China, p. 558, *stratoria*, Yunnan, p. 559, DISTANT, Ann. Nat. Hist. (7) xvi : **n. spp.**
Orapa **n. g.** type *Pycna numa* Dist., DISTANT, p. 480, op. cit. xv.
Orellana **n. g.** type *Zammara columbia* Dist., p. 381, *O. brevis* **n. sp.**, Colombia, p. 382, DISTANT, t. c.
Pacarina **n. g.** type *Cicada signifera* Walk., DISTANT, p. 314, t. c.; *P. schumanni*, Mexico, DISTANT, p. 142, Biol. Centr.-Amer. Homopt. i : **n. sp.**
Paharia **n. g.** type *Cephaloxys lacteipennis* Walk., DISTANT, p. 25, Ann. Nat. Hist. (7) xvi.
Panka **n. g.** type *simulata* Dist. = (*Tibicen nubifurca* Dist.), p. 34, *P. africana* **n. sp.**, Fernando Po, p. 35, DISTANT, t. c.

Parnkalla **n. g.** type *Tibicen mulleri* Dist., DISTANT, p. 29, t. c.
Parvittya **n. g.** near *Graptotettix*, p. 482, *samara* **n. sp.**, Philippines, p. 483, DISTANT, op. cit. xv.
Pauropsalta stigmatica, *dameli*, Australia, DISTANT, p. 273, op. cit. xvi, **n. spp.**
Platylomia Stål recharacterised, *assamensis*, Assam, p. 65, *virescens*, Borneo, *albomaculata*, Philippines, p. 66, DISTANT, op. cit. xv; *P. juno*, p. 200, *diana*, p. 201, Ta-tsien-low, DISTANT, Tr. ent. Soc. London 1905 : **n. spp.**
Platypleura attenuata, Nigeria, DISTANT, p. 554, Ann. Nat. Hist. (7) xvi; *P. spicata*, Madagascar, p. 192, *seraphina*, p. 193, *esa*, p. 194, Africa, DISTANT, Tr. ent. Soc. London 1905; *P. lineatella*, Sunda Ids., *lindiana*, E. Africa, p. 668, *murchisoni*, Transvaal, p. 669, *ridleyana*, Malacca, *harmandi*, Cochin China, p. 670, DISTANT, Ann. Nat. Hist. (7) xvi; *P. vitreolimbata*, Banguey, BREDDIN, p. 218, Mt. Mus. Hamburg xxii : **n. spp.**
Plautillaria; n. div., *Plautilla* Stål, characters, DISTANT, p. 563, Ann. Nat. Hist. (7) xvi.
Pomponia piceata, Tonkin, DISTANT, p. 558, t. c.; *P. merula*, Borneo, *intermedia*, Tenasserim, DISTANT, p. 68, op. cit. xv, **n. spp.**
Proarna germari n. n. for *Cicada grisea* Germ., DISTANT, p. 140, Biol. Centr.-Amer. Homopt. i.
P. insignis, Centr. and S. America = (*albida* var. *insignis*), id. p. 141; *P. heidemanni*, p. 311, *bufo*, p. 312, Argentina, DISTANT, Ann. Nat. Hist. (7) xv : **n. spp.**
Purana **n. g.** type *Dundubia tigrina*, DISTANT, p. 60, t. c.; *P. davidi*, Kiang-Si, *pigmentata*, Siam, DISTANT, p. 555, op. cit. xvi, **n. spp.**
Pycna natalensis, Natal, DISTANT, p. 197, pl. xi, fig. 4, Tr. ent. Soc. London 1905, **n. sp.**
Quesada **n. g.** type *Cicada gigas* Ol., DISTANT, p. 478, Ann. Nat. Hist. (7) xv.
Quintilia soulii, Yunnan, DISTANT, p. 561, op. cit. xvi; *Q. mogannia*, China, *maculiventris*, Transvaal, DISTANT, p. 205, t. c. **n. spp.**
Rihana martini, *hova*, Madagascar, DISTANT, p. 198, Tr. ent. Soc. London 1905, **n. spp.**
Sadaka hyalina, W. Africa, DISTANT, p. 191, t. c. **n. sp.**
Sapantanga **n. g.** type *Cephaloxys nutans* Walk., DISTANT, p. 276, Ann. Nat. Hist. (7) xvi.
Sawda **n. g.** type *Cosmopsaltria mimica* Dist., *S. gestroei* **n. sp.**, New Guinea, DISTANT, p. 63, op. cit. xv; *S. pratti*, p. 556, *sharpi*, p. 557, New Guinea, DISTANT, op. cit. xvi, **n. spp.**
Sena **n. g.** type *Cicada quærula* Pall., DISTANT, p. 307, op. cit. xv.
Stagira darwini, Mauritius, DISTANT, p. 213, op. cit. xvi, **n. sp.**
Taipinga **n. g.** type *Cicada nana* Walk., DISTANT, p. 210, t. c.
Talainga distanti, pl. 21, fig. 3, p. 432, JACOBI, Zool. Jahrb. Syst. xxi.
Tamasa **n. g.** type *Cicada tristigma* Germ., DISTANT, p. 386, Ann. Nat. Hist. (7) xv.
Tanna **n. g.** type *Pomponia japonensis*, DISTANT, p. 62, t. c.
Terpnosia confusa, India, DISTANT, p. 306, t. c. **n. sp.**
Tibicen reductus, pl. 21, fig. 5, p. 434, JACOBI, Zool. Jahrb. Syst. xxi.
T. dahli, Bismarck Arch., KUHLGATZ, p. 77, pl. iii, figg. 10 & 13, Mt. Mus. Berlin iii, **n. sp.**
Tibicina chinensis, N. China, DISTANT, p. 23, Ann. Nat. Hist. (7) xvi, **n. sp.**
Trismarcha atrata, Congo, *angolensis*, Angola, DISTANT, p. 30, t. c. **n. spp.**
Tympanoterpes alboapicata, Argentina, DISTANT, p. 313, op. cit. xv, **n. sp.**
Ueana **n. g.** type *Cicada lifuana* Montr., DISTANT, p. 28, op. cit. xvi; *U. harmonia*, pl. xvii, fig. 1, *polymnia*, fig. 2, Lifu, KIRKALDY, p. 329, Tr. ent. Soc. London 1905, **n. spp.**

Umjada alluaudi, Madagascar, DISTANT, p. 196, pl. xi, fig. 1, Tr. ent. Soc. London 1905, **n. sp.**
Urabunana **n. g.** *Tibicininæ*, *segmentaria* **n. sp.**, Queensland, DISTANT, p. 274, Ann. Nat. Hist. (7) xvi.
Xosopsaltria fuliginosa, E. Africa, DISTANT, p. 206, t. c. **n. sp.**
Yanga bouvieri, p. 194, pl. xi, fig. 2, *grandidieri*, p. 195, fig. 3, Madagascar, DISTANT, Tr. ent. Soc. London 1905, **n. spp.**

FULGORIDÆ.

[Cf. BALL (69), BREDDIN (181), DISTANT (429, 430, 670), FOWLER (670), HORVÁTH (775), JACOBI (806), KIRKALDY (856), LESNE (941, 944), MELICHAR (1029, 1030), OSBORN (1125), ROUBAL (1308), SCHMIDT (1332, 1333), TORKA (1501).]

Achæmenes niger, Usambara, MELICHAR, p. 283, Wien. ent. Zeit. xxiv, **n. sp.**
Acmonia? sanguinalis, Mexico, pl. xiii, fig. 24, DISTANT, p. 145, Biol. Centr.-Amer. Homopt. i, **n. sp.**
Acræphia crepusculascens, pl. xiii, fig. 25, *montezuma*, p. 144, *simillima*, *astralis*, fig. 27, p. 145, DISTANT, t. c. **n. spp.**
Anecphora minor, p. 369, *olivacea*, *sanguineopunctata*, p. 370, *sanguinea*, p. 371, W. Africa, SCHMIDT, Stettin Ent. Zeit. lxvi, **n. spp.**
Anigrus fuscomaculatus, E. Africa, MELICHAR, p. 284, Wien. ent. Zeit. xxiv, **n. sp.**
Aphæna bimaculata, Sumatra, SCHMIDT, p. 376, Stettin Ent. Zeit. lxvi, **n. sp.**
Aselgeia longiceps, E. Africa, MELICHAR, p. 281, Wien. ent. Zeit. xxiv, **n. sp.**
Bladina fuscovenosa Stål, SCHMIDT, p. 183, Stettin Ent. Zeit. lxvi.
Colpoptera sinuata Burm. = (*marginalis* Burm.), p. 129, figure, pl. xii, fig. 32, FOWLER, Biol. Centr.-Amer. Homopt. i.
Copicerus irroratus, pl. xiii, figg. 1, 2, synonymy, p. 130, FOWLER, t. c.
Corethrura iocnemis, p. 437, pl. xxi, fig. 6, *impunctata*, p. 438, fig. 7, JACOBI, Zool. Jahrb. Syst. xxi, **n. spp.**
Cyphopterum, defined, *Hysteropterum fauveli*, and *Issus retusus* referred to it, MELICHAR, pp. 475–477, Ann. Mus. Hungar. iii.
Delphax (*Areopus*) *dorsata*, E. Africa, MELICHAR, p. 286, Wien. ent. Zeit. xxiv, **n. sp.**
Dicranotropis lunaris, E. Africa, MELICHAR, p. 286, t. c. **n. sp.**
Epibidis **n. g.** *Delphacidæ*, *godmani*, pl. xiii, figg. 3–5, p. 131, *brunnea*, fig. 6, p. 132, **n. spp.**, Panama, FOWLER, Biol. Centr.-Amer. Homopt. i.
Episcius bolivianus, Bolivia, DISTANT, p. 673, Ann. Nat. Hist. (7) xvi, **n. sp.**
Eodelphax serendiba = (*Eudelphax setulosus* Mel.), KIRKALDY, p. 266, Wien. ent. Zeit. xxiv.
Fulgora basinigra, Borneo, p. 345, *erecta*, Java, p. 346, *dohrni*, Sumatra, p. 347, *heringi*, p. 351, *bicolor*, p. 355, Borneo, *cardinalis*, Tonkin, p. 356, SCHMIDT, Stettin Ent. Zeit. lxvi; *F. siderea*, Borneo, p. 566, *evanescens*, Nias, p. 567, DISTANT, Ann. Nat. Hist. (7) xvi: **n. spp.**
Goniolcium **n. g.** *Delphacidæ*, *granulosum*, pl. xiii, figg. 7, 8, p. 132, *testaceum*, fig. 9, p. 133, **n. spp.**, Centr. America, FOWLER, Biol. Centr.-Amer. Homopt. i.
Hajar **n. g.** near *Tarundia*, p. 335, *fornicatus* **n. sp.**, New Britain, p. 336, KIRKALDY, Tr. ent. Soc. London 1905.
Helicoptera karaseki, E. Africa, MELICHAR, p. 285, Wien. ent. Zeit. xxiv, **n. sp.**
Holodictya karschi, E. Africa, SCHMIDT, p. 375, Stettin Ent. Zeit. lxvi, **n. sp.**
Itzalana **n. g.** near *Acmonia*, *formosa* **n. sp.**, Mexico, pl. xiii, fig. 23,

DISTANT, p. 146, Biol. Centr.-Amer. Homopt. i ; *I. submaculata*, Surinam, SCHMIDT, p. 377, Stettin Ent. Zeit. lxvi, **n. sp.**

Lagoana **n. g.** near *Lyncides*, *bipunctata*, Delagoa Bay, p. 473, *longiceps*, E. Africa, p. 474, **n. spp.**, MELICHAR, Ann. Mus. Hungar. iii.

Lamenia lactea, p. 284, *angustifrons*, p. 285, E. Africa, MELICHAR, Wien. ent. Zeit. xxiv, **n. spp.**

Liburnia seminigra, E. Africa, MELICHAR, p. 286, Wien. ent. Zeit. xxiv ; *L. atrior*, pl. xiii, figg. 10, 11, *basifuscata*, fig. 12, p. 134, *teapœ*, fig. 13, *albolineosa*, fig. 14, *marginicornis*, fig. 15, p. 135, *apicimacula*, fig. 16, *sagata*, fig. 17, p. 136, *paludata*, fig. 18, p. 137, Central America, FOWLER, Biol. Centr.-Amer. Homopt. i : **n. spp.**

Lichena incriminata, Madagascar, SCHMIDT, p. 380, Stettin Ent. Zeit. lxvi, **n. sp.**

Malfeytia **n. g.** near *Anecphora*, *flavopunctata* **n. sp.**, Congo, SCHMIDT, p. 366, t. c.

Megamelanus elongatus, Florida, p. 118, *rufivittatus*, Thompsonville, p. 119, BALL, P. Soc. Washington xviii ; *M. spartini*, N. America, OSBORN, p. 375, Ohio Natural. v : **n. spp.**

Megamelus angulatus, Pennsylvania, OSBORN, p. 374, t. c. **n. sp.**

Metaphœna **n. g.** type *Aphana novemmaculata* Dist., p. 360, *basirufa*, *tricolor*, p. 363, **n. spp.**, Africa, SCHMIDT, Stettin Ent. Zeit. lxvi.

Nogodina fruhstorferi, Java, SCHMIDT, p. 186, t. c. **n. sp.**

Œcleus snowi, Arizona, BALL, p. 117, P. Soc. Washington xviii, **n. sp.**

Oliarus latus, p. 281, *vitreus*, *frontalis*, p. 282, E. Africa, MELICHAR, Wien. ent. Zeit. xxiv ; *O. musca*, Banguey, BREDDIN, p. 224, Mt. Mus. Hamburg xxii : **n. spp.**

Ommatidiotus, monograph, HORVÁTH, pp. 378, 387, Ann. Mus. Hungar. iii.

O. acutus, Mongolia, *iranicus*, Persia, p. 380, *viduus*, Syria, p. 381, *concinnus*, Hungary, p. 383, HORVÁTH, t. c. **n. sp.**

Ormenis suturalis, E. Africa, MELICHAR, p. 289, Wien. ent. Zeit. xxiv, **n. sp.**

Peggioga **n. g.** near *Dictyophara*, *formosa* **n. sp.**, Lifu, pl. xvii, fig. 6, KIRKALDY, p. 336, Tr. ent. Soc. London 1905.

Phantiopsis **n. g.** *Flatidæ*, p. 474, *australiaca* **n. sp.**, Sydney, p. 475, MELICHAR, Ann. Mus. Hungar. iii.

Phrictus hoffmannsi, Chanchamayo, p. 338, *mœbiusi*, Antioquia, p. 340, SCHMIDT, Stettin Ent. Zeit. lxvi ; *P. auromaculatus*, Bolivia, DISTANT, p. 672, Ann. Nat. Hist. (7) xvi : **n. spp.**

Phyllyphanta biraræ, New Britain, KIRKALDY, p. 335, Tr. ent. Soc. London 1905, **n. sp.**

Phyma usambaræ, E. Africa, MELICHAR, p. 289, Wien. ent. Zeit. xxiv, **n. sp.**

Picumna varians, pl. xii, fig. 28, *ovatipennis*, figg. 29, 30, FOWLER, p. 128, Biol. Centr.-Amer. Homopt. i.

P. venosa, Mexico, pl. xii, fig. 31, p. 128, FOWLER, t. c. **n. sp.**

Poblicia pallidoconspera, Mexico, DISTANT, p. 145, pl. xiii, fig. 26, Biol. Centr.-Amer. Homopt. i, **n. sp.**

Pochazia dohrni, Sumatra, SCHMIDT, p. 169, Stettin Ent. Zeit. lxvi, **n. sp.**

Pochazoides conspersus, E. Africa, MELICHAR, p. 287, Wien. ent. Zeit. xxiv ; *P. schoutedeni*, p. 196, *quinquemaculatus*, p. 197, E. Africa, SCHMIDT, Stettin Ent. Zeit. lxvi : **n. spp.**

Pristiopsis **n. g.** for *Fulgora serrata* Fabr., SCHMIDT, p. 332, t. c.

Prokelisia **n. g.** *setigera* **n. sp.**, N. America, OSBORN, p. 373, Ohio Natural. v.

Pyrops rendalli, Zomba, *pulmunculus*, p. 564, *tapirus*, Java, *dalyi*, Siam, p. 565, DISTANT, Ann. Nat. Hist. (7) xvi, **n. spp.**

Rhotala ambigua, Panama, pl. xiii, figg. 19, 20, p. 138, FOWLER, Biol. Centr.-Amer. Homopt. i, **n. sp.**

Ricania karaseki, Usambara, MELICHAR, p. 287, Wien. ent. Zeit. xxiv ;

R. bitæniata, Borneo, p. 174, *lurida*, Java, p. 176, *quinquepunctata*, E. Africa, p. 195, SCHMIDT, Stettin Ent. Zeit. lxvi : **n. spp.**
Ricanopsis unipunctata, Cameroons, SCHMIDT, p. 177, t. c. **n. sp.**
R. straminea, Kei Isld., p. 179, *prominula*, Queensland, p. 180, SCHMIDT, t. c.; *R. hyalinomaculata*, MELICHAR, p. 288, Wien. ent. Zeit. xxiv : **n. spp.**
Sassula apicalis, Ecuador, SCHMIDT, p. 189, Stettin Ent. Zeit. lxvi, **n. sp.**
Scolopsella **n. g.** *Dictyopharidæ*, *reticulata* **n. sp.**, Arizona, BALL, p. 118, P. Soc. Washington xviii.
Seliza sinuata, E. Africa, MELICHAR, p. 290, Wien. ent. Zeit. xxiv, **n. sp.**
Sephena nigrifrons, Australia, SCHMIDT, p. 378, Stettin Ent. Zeit, lxvi, **n. sp.**
Stobæra pallida, p. 375, *minuta*, p. 376, N. America, OSBORN, Ohio Natural. v, **n. sp.**
Syntames **n. g.** p. 138, *delicatus* **n. sp.**, Centr. America, p. 139, pl. xiii, fig. 21, with var. *chiriquensis*, fig. 22, FOWLER, Biol. Centr.-Amer. Homopt. i.
Tettigometra; relations with ants, historical, LESNE, pp. 161–164, Bull. Soc. ent. France 1905; *T. atra* rélations with *Lasius*, ROUBAL, p. 168, Wien. ent. Zeit. xxiv; *T. obliqua*, natural history, GORKA, Zeitschr. Insbiol. i, pp. 451–455.
Thionia pictifrons, pl. xii, fig. 22, *conspersa*, fig. 23, *caviceps*, fig. 24, p. 125, *soluta*, fig. 25, p. 126, *stipes*, figg. 26, 27, p. 127, Centr. America, FOWLER, Biol. Centr.-Amer. Homopt. i, **n. spp.**

MEMBRACIDÆ.

Anchon minor, E. Africa, MELICHAR, p. 296, Wien. ent. Zeit. xxiv, **n. sp.**
Acutalis inornata, Florida, BALL, p. 119, P. Soc. Washington xviii, **n. sp.**
Micreune ? electa, E. Africa, MELICHAR, p. 296, Wien. ent. Zeit. xxiv, **n. sp.**
Monocentrus **n. g.** *delectus* **n. sp.**, E. Africa, MELICHAR, p. 297, t. c.
Otionotus griseus, E. Africa, MELICHAR, p. 295, t. c. **n. sp.**
Oxyrhacis gibbulus, E. Africa, MELICHAR, p. 294, t. c. **n. sp.**

CERCOPIDÆ.

[Cf. JACOBI (805, 806), KIRKALDY (856), MELICHAR (1029).]

Aufidus hyperion, New Britain, KIRKALDY, p. 332, pl. xvii, fig. 4, Tr. ent. Soc. London 1905, **n. sp.**
Clovia birarensis, p. 330, pl. xvii, fig. 3, *dryas*, p. 331, New Britain, KIRKALDY, t. c. **n. spp.**
Cosmoscarta fruhstorferi, pl. 21, fig. 8, *trichodias*, fig. 9, JACOBI, p. 441, Zool. Jahrb. Syst. xxi.
C. ærata, pl. i, fig. 3, *papua*, fig. 13, p. 9, *latipennis*, fig. 16, p. 10, *geniculata*, fig. 4, p. 11, New Guinea, *torquata*, fig. 6, Palawan, p. 12, *sangaris*, Luzon, fig. 5, *coronis*, fig. 12, p. 13, *rubiana*, New Guinea, *nycteis*, Assam, fig. 11, p. 14, *jucunda*, fig. 2, p. 15, *cærulans*, p. 16, Sumatra, *ledrina*, fig. 9, p. 17, Java, JACOBI, Mt. Mus. Berlin iii, **n. spp.**
Eoscarta limbipennis, Sumatra, JACOBI, p. 22, t. c. **n. sp.**
Hemiapterus viridicollis, E. Africa, MELICHAR, p. 291, Wien. ent. Zeit. xxiv, **n. sp.**
Mioscarta semperi, Philippines, pl. i, fig. 1, JACOBI, Mt. Mus. Berlin iii, **n. sp.**
Phymatostetha stellata, pl. i, fig. 14, JACOBI, p. 19, t. c.; *P. dislocata* = (*Tomaspis nympha* St.), JACOBI, p. 21, t. c.; *P. martyr* n. n., p. 442, pl. xxi, fig. 10, JACOBI, Zool. Jahrb. Syst. xxi.

P. icterica, pl. xxi, fig. 11, *quadriplagiata*, fig. 12, p. 443, *moi*, fig. 13, *peltasta*, fig. 14, p. 444, Tonkin, JACOBI, t. c.; *P. axillaris*, Java, p. 19, *birmanica*, pl. i, fig. 8, Burma, *inops*, fig. 15, p. 20, *lais*, p. 21, Borneo, JACOBI, Mt. Mus. Berlin iii : **n. spp.**

Sialoscarta **n. g.** *concinna* **n. sp.**, Java, pl. i, fig. 10, JACOBI, p. 23, t. c.

Sphenorhina bicolor Fall. to *Notoscarta*, ♂, JACOBI, p. 22, t. c.

Tomaspis subsanguinea, E. Africa, MELICHAR, p. 290, Wien. ent. Zeit. xxiv, **n. sp.**

Trichoscarta centrodes, Borneo, JACOBI, pl. i, fig. 7, p. 18, Mt. Mus. Berlin iii, **n. sp.**

JASSIDÆ.

[Cf. BAKER (56–60), BALL (69, 70), BREDDIN (181), BRÈTHES (188), HORVÁTH (779), JACOBI (806, 807), KIRKALDY (856, 858), MELICHAR (1029), OSBORN (1126).]

Alebra sanguinolinea, Nicaragua, BAKER, p. 5, Invert. pacif. i, **n. sp.**

Amblydisca superciliaris, *callidula*, p. 165, *pullula*, *horvathi*, p. 166, *pomposula*, p. 167, Peru, JACOBI, SB. Ges. naturf. Berlin 1905, **n. spp.**

Annidion **n. g.** near *Hecalus*, p. 267, *pulcherrimum* **n. sp.**, Bouake, p. 268, KIRKALDY, Wien. ent. Zeit. xxiv.

Deltocephalus liliputanus, E. Africa, MELICHAR, p. 303, Wien. ent. Zeit. xxiv ; *D. slossoni*, Florida, p. 119, *littoralis*, New Jersey, p. 120, BALL P. Soc. Washington xviii : **n. spp.**

Empoasca lineata, Nicaragua, BAKER, p. 7, Invert. pacif. i, **n. sp.**

Erythria donaldsoni, *guzmani*, *montealegrei*, p. 4, *deschoni*, p. 5, Nicaragua, BAKER, t. c. **n. spp.**

Eualebra notata, Guatemala, BAKER, p. 7, t. c. **n. sp.**

Eugnathodus **n. g.** p. 1, for *Gnathodus abdominalis* van D., and the following **n. spp.**, *nevadensis*, N. America, p. 1, *flavescens*, *vermiculatus*, *delicatus*, *lacteus*, Nicaragua, *tumidus*, Guatemala, p. 2, BAKER, t. c.

Eupteryx quinquemaculata, California, BAKER, p. 8, t. c. **n. sp.**

Eutettix ramosus, E. Africa, MELICHAR, p. 302, Wien. ent. Zeit. xxiv ; *E. bicolorata*, Arkansas, BALL, p. 212, Canad. Ent. 1905 : **n. spp.**

Gnathodus rubrotinctus, E. Africa, MELICHAR, p. 304, Wien. ent. Zeit. xxiv, **n. sp.**

Gypona kangrensis, India, KIRKALDY, p. 267, Wien. ent. Zeit. xxiv, **n. sp.**

Jassus flavostriatus, p. 301, *piceolus*, p. 302, E. Africa, MELICHAR, Wien. ent. Zeit. xxiv ; *J. bellus*, p. 185, *dissolutus*, p. 186, *ruficosta*, *montanus*, p. 187, *tergipictus*, p. 188, Peru, JACOBI, SB. Ges. naturf. Berlin 1905 ; *J. tornowii*, Tucuman, BRÈTHES, p. 344, An. Mus. Buenos Aires (3) iv : **n. spp.**

Macropsis nicaraguensis, San Marcos, p. 11, *franciscana*, California, p. 12, BAKER, Invert. pacif. i, **n. spp.**

Motschulskyia **n. n.** for *Conometopus* Motsch. nec Fieb. ; KIRKALDY, p. 266, Wien. ent. Zeit. xxiv.

Oclasma **n. g.** *Scaridæ*, p. 293, *degenerata* **n. sp.**, Usambara, p. 294, MELICHAR, Wien. ent. Zeit. xxiv.

Pachynus nigrofuscus, E. Africa, MELICHAR, p. 298, t. c. **n. sp.**

Paramesus immaculatus, Colorado, BALL, p. 212, Canad. Ent. 1905, **n. sp.**

Pediopsis virescens var. n. *lineola*, HORVÁTH, p. 276, Bol. Soc. espan. v.

Phercurhinus **n. g.** near *Phera*, *batillus*, p. 168, *cochlear*, p. 169, **n. spp.**, Peru, JACOBI, SB. Ges. naturf. Berlin 1905.

Phlepsius maculatus, Ohio, OSBORN, p. 276, Ohio Natural. v ; *P. slossoni*, p. 209, *fastuosus*, *nigrifrons*, p. 210, N. America, BALL, Canad. Ent. 1905 : **n. spp.**

Platymetopius obscurus, Ohio, OSBORN, p. 274, t. c. **n. sp.**

Platyretus cinctus, E. Africa, MELICHAR, p. 301, Wien. ent. Zeit. xxiv, **n. sp.**
Protalebra nicraraguensis, *maculata*, Nicaragua, *transversalis*, Mexico, p. 6, *octolineata*, Nicaragua, p. 7, BAKER, Invert. pacif. i, **n. spp.**
Selenocephalus strigulatus, *usambaræ*, E. Africa, MELICHAR, p. 300, Wien. ent. Zeit. xxiv, **n. sp.**
Signoretia karaseki, E. Africa, MELICHAR, p. 299, t. c. **n. sp.**
Siva reticulata, E. Africa, MELICHAR, p. 300, t. c. **n. sp.**
Sphæropogonia miniatula, Peru, JACOBI, p. 172, SB. Ges. naturf. Berlin 1905, **n. sp.**
Stictocoris Thoms. 1869, **omiss. nom.**, KIRKALDY, p. 268, Wien. ent. Zeit. xxiv.
Straganiopsis **n. g.** for *Macropsis*, *idioceroides*, BAKER, p. 10, Invert. pacif. i.
Tettigonia willeyi, New Britain, KIRKALDY, p. 333, Tr. ent. Soc. London 1905, **n. sp.**
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(F.) *NEUROPTERA*, s. l.

TRICHOPTERA.

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L. excisus, Finland, MORTON, p. 67, Medd. Soc. Faun. Fenn. xxx; *L. squamosus*, p. 21, *trivittatus*, p. 22, Congo, ULMER, Ann. Soc. ent. Belgique 1905 : **n. spp.**

Leptonema agraphum Kol., pl. i, fig. 44, pl. ii, figg. 45–47, p. 55, *albovirens* Walk., pl. ii, figg. 48, 49, pl. iii, fig. 102, p. 56, *speciosum* Burm., pl. ii, figg. 56–59, p. 62, ULMER, Stettin Ent. Zeit. lxvi.

L. affine, Madagascar, ULMER, p. 27, Ann. Soc. ent. Belgique 1905; *L. madagascariense*, Madagascar, ULMER, p. 81, Ann. Hofmus. Wien xx; *L. furcatum*, pl. ii, figg. 50, 51, p. 57, *crassum*, figg. 52, 53, p. 58, *stigmosum*, pl. iii, fig. 103, p. 60, *columbianum*, fig. 104, p. 61, *cinctum*, fig. 105, p. 64, S. America, ULMER, Stettin Ent. Zeit. lxvi : **n. spp.**

Limnophilus sitchensis, pl. i, figg. 2, 3, ULMER, p. 7, t. c.

L. amurensis, Amur land, pl. i, figg. 4, 5, p. 8, *appendix*, Centr. Asia, p. 9, figg. 6, 7, ULMER, t. c.; *L. meridionalis*, Patagonia, ULMER, p. 18, Ann. Soc. ent. Belgique 1905 : **n. spp.**

Macronematinæ, table of genera, ULMER, p. 88, Ann. Hofmus. Wien xx.

Macronema aculeata, type, not a *Macr.*, ULMER, p. 17, Ann. Soc. ent. Belgique 1905; *M. excisum* ♂, ULMER, p. 29, t. c.; *M.* sp., larva, THIENEMANN, pp. 289–291, Zeitschr. Insbiol. i; *M. chalybeum* Hag., p. 83, fig. 53, *lineatum* Pict., p. 85, fig. 56, ULMER, Ann. Hofmus. Wien xx; *M. hyalinum* Pict., pl. ii, figg. 60–62, p. 67, *fasciatum* Alb., p. 72, *auripenne* Ramb., pl. ii, figg. 68–71, p. 81, *oculatum* Walk., pl. ii, fig. 72, p. 84, ULMER, Stettin Ent. Zeit. lxvi.

M. tuberosum, Brazil, p. 82, fig. 51, *opulentum*, Ceylon, p. 84, fig. 54, *santaeritæ*, p. 85, fig. 55, Brazil, ULMER, Ann. Hofmus. Wien xx; *M. dubium*, Australia, p. 28, *madagascariense*, Madagascar, p. 31, ULMER, Ann. Soc. ent. Belgique 1905; *M. dohrni*, pl. ii, fig. 63, p. 69, *distinguendum*, p. 71, Sumatra, *parvum*, pl. iii, fig. 107, p. 73, *bicolor*, pl. iv, figg. 109, 110, p. 75, *M.* (*Leptonema* ?) *sparsum*, pl. ii, fig. 64, p. 76, *M. argentilineatum*, pl. iv, figg. 111–113, p. 77, *fulvum*, pl. ii, figg. 65–67, p. 78, *obscurum*, p. 83, *excisum*, pl. iv, fig. 114, p. 85, S. America, ULMER, Stettin Ent. Zeit. lxvi : **n. spp.**

Marilia albicornis Burm., pl. i, figg. 20–22, p. 24, *major* Müll., pl. iii, fig. 91, p. 25, ULMER, t. c.

M. flexuosa, Santa Catharina, ULMER, p. 70, Ann. Hofmus. Wien xx, **n. sp.**

Molanna moesta, Japan, BANKS, p. 110, P. ent. Soc. Washington vii, **n. sp.**

Moropsyche **n. g.** *Limnephilides*, *parvula* **n. sp.**, Japan, BANKS, p. 108, t. c.

Musarna, the species, ULMER, p. 22, pl. i, fig. 19, Stettin Ent. Zeit. lxvi.

Mystacides brasiliana Br. to *Notantolica*, ULMER, p. 72, fig. 33, Ann. Hofmus. Wien xx.

Nemotaulius **n. g.** type *Gr. brevilinea* McL., BANKS, p. 107, P. ent. Soc. Washington vii.

Neotrichia **n. g.** *collata* **n. sp.**, N. America, MORTON, p. 72, Bull. N. York Mus. lxxxvi.

Neuronia semifasciata, p. 60, figg. 1, 2, *ocellifera*, p. 61, figg. 3, 4, ULMER, Ann. Hofmus. Wien xx.

Notanatolica, larva, ULMER, p. 91, Mt. Mus. Hamburg xxii.

Nothopsyche **n. g.** for *Chilostigma ruficolle* Ulm., and *N. pallipes* **n. sp.**, Japan, BANKS, p. 107, P. ent. Soc. Washington vii.

Notidobia distincta, Maine, ULMER, p. 67, figg. 21–23, Ann. Hofmus. Wien xx, **n. sp.**

Notiopsyche latipennis, N. Carolina, BANKS, p. 216, Bull. Amer. Mus. xxi, **n. sp.**

Odontocerinæ, table of genera, ULMER, p. 72, Ann. Hofmus. Wien xx.

Odontocerum japonicum, Gifu, BANKS, p. 110, P. ent. Soc. Washington vii, **n. sp.**

Œstropsis fusca, Sumatra, pl. iii, fig. 96, p. 42, ULMER, Stettin Ent. Zeit. lxvi, **n. sp.**

Oligophlebodes **n. g.** *Limnophilides*, *coloradensis* **n. sp.**, N. America, ULMER, p. 66, Ann. Hofmus. Wien xx.

Orthotrichia brachiata, New York, MORTON, p. 70, Bull. N. York Mus. lxxxvi, **n. sp.**

Oxyethira coercens, p. 70, *viminalis*, *dualis*, p. 71, N. America, MORTON, t. c. **n. spp.**

Perissoneura paradoxa McLachl., pl. i, figg. 14, 15, p. 19, ULMER, Stettin Ent. Zeit. lxvi.

P. similis, *japonica*, Japan, BANKS, p. 109, P. ent. Soc. Washington vii, **n. spp.**

Phanostoma senegalense, nervuration, ULMER, p. 26, Bull. Soc. ent. Belgique 1905.

Philopotamus japonicus, Japan, BANKS, p. 111, P. ent. Soc. Washington vii, **n. sp.**

Phryganea rotundata, Lake Balkasch, pl. i, fig. 1, p. 5, ULMER, Stettin Ent. Zeit. lxvi; *P. latipennis*, Japan, BANKS, p. 107, P. ent. Soc. Washington vii : **n. spp.**

Phylloicus, p. 77, fig. 45, *æneus* Hag., p. 79, fig. 49, ULMER, Ann. Hofmus. Wien xx.

P. angustior, Brazil, p. 78, figg. 46–48, ULMER, t. c. **n. sp.**

Platycentropus **n. g.** for *Halesus maculipennis* Kol., ULMER, p. 13, Stettin Ent. Zeit. lxvi.

Platyphylax nigrovittatus queried, ULMER, p. 20, Ann. Soc. ent. Belgique 1905; *P. designatus*, repair of cases after injury, MARSHALL & VORHIES, pp. 232–244, Biol. Bull. ix.

Plectrocnemia aurea, Sikkim, pl. iv, figg. 130, 131, p. 101, ULMER, Stettin Ent. Zeit. lxvi; *P. auriceps*, N. Carolina, BANKS, p. 218, Bull. Amer. Mus. xxi : **n. spp.**

Polycentropus carolinensis, N. Carolina, BANKS, p. 217, t. c. **n. sp.**

Polymorphanisus Walk. = (*Œstropsis* Brauer), ULMER, p. 24, Ann. Soc. ent. Belgique 1905.

Polyplectropus **n. g.** *Polycentropinæ*, *flavicornis* **n. sp.**, Sta. Catharina, ULMER, p. 103, pl. iv, figg. 132–135, Stettin Ent. Zeit. lxvi; *P. annulicornis*, Brazil, fig. 64, *javanicus*, Java, figg. 65–67, ULMER, p. 91, Ann. Hofmus. Wien xx : **n. spp.**

Protomacronema hyalinum, ULMER, p. 26, Bull. Soc. ent. Belgique 1905.

P. splendens, Gaboon, pl. iii, fig. 106, p. 65, ULMER, Stettin Ent. Zeit. lxvi, **n. sp.**

Pseudomacronema **n. g.** near *Macronema*, p. 86, *vittatum* **n. sp.**, Bogota, p. 87, pl. ii, fig. 73, ULMER, t. c.

Pseudosetodes **n. g.** near *Setodes*, p. 76, figg. 44, *punctipennis* **n. sp.**, Brazil, p. 77, ULMER, Ann. Hofmus. Wien xx.

Psilochorema indicum, India, ULMER, p. 39, Ann. Soc. ent. Belgique 1905; *P. longipenne* (no locality), pl. iv, figg. 144–146, p. 110, ULMER, Stettin Ent. Zeit. lxvi : **n. spp.**

Rhabdoceras **n. g.** *Leptoceridæ*, p. 31, *japonicum*, Japan, **n. sp.**, p. 32, ULMER, t. c.

Rhyacophila tristis, *aquitanica*, *philopotamoides*, larvæ, THIENEMANN, pp. 285–287, Zeitschr. Insbiol. i.

R. maculipennis, Kuku-Nor., pl. ii, figg. 80, 81, p. 108, ULMER, Stettin Ent. Zeit. lxvi; *R. excisa*, Moupin, ULMER, p. 37, Ann. Soc. ent. Belgique 1905 : **n. spp.**

Rhyacophylax columbianus, pl. iv, figg. 138–140, p. 106, *brasilianus*, figg. 141–143, p. 108, S. America, ULMER, Stettin Ent. Zeit. lxvi, **n. spp.**

Rhyacopsyche hageni, metamorphoses, THIENEMANN, pp. 287–289, Zeitschr. Insbiol. i.

Setodes brunnea, Java, ULMER, p. 90, Mt. Mus. Hamburg xxii, **n. sp.**

Smicridea nivea Billopp., pl. iv, figg. 136, 137, p. 104, ULMER, Stettin Ent. Zeit. lxvi, **n. sp.**

Stenophylax latus, Centr. Asia, pl. i, fig. 8, ULMER, p. 11, t. c. **n. sp.**

Synagapetus ater, Transsylvania, KLAPÁLEK, p. 729, Vestnik Ceske Ak. xiii, **n. sp.**

Synœstropsis **n. g.** near *Œstropsis*, *pedicillata*, pl. iii, figg. 97–100, p. 43, *obliqua*, fig. 101, p. 45, *punctipennis*, pl. i, fig. 34, p. 47, **n. spp.**, S. America, ULMER, Stettin Ent. Zeit. lxvi.

Tetanonema **n. g.** near *Helicopsyche*, p. 17, *clarum* **n. sp.**, Sta. Catharina, p. 18, ULMER, t. c.

Triænodes albicornis, Algiers, ULMER, p. 23, Ann. Soc. ent. Belgique 1905, **n. sp.**

Triplectides and *Notantolica*, ULMER, p. 71, Ann. Hofmus. Wien xx; *Triplectides*, p. 29, *T. gracilis* Burm., pl. i, figg. 23–25, p. 27, ULMER, Stettin Ent. Zeit. lxvi.

Wormaldia mexicana, Mexico, p. 89, figg. 58–60, *parva*, Brazil, p. 90, figg. 61–63, ULMER, Ann. Hofmus. Wien xx, **n. spp.**

NEUROPTERA-PLANIPENNIA (incl. PANORPIDÆ).

[Cf. BAKER (64), BANKS (71), CURRIE (383), DZIĘDZIELEWICZA (485), ENDERLEIN (512, 514), KLAPÁLEK (868), NAVÁS (1084, 1085), NEEDHAM (1092), TERRY (1475), VAN DER WEELE (1595).]

ENDERLEIN in Zool. Anz. xxix, pp. 225–227, sketches his paper on *Coniopterygidæ* and proposes and tabulates the new generic names.

Ancylopteryx buttikoferi, Liberia, VAN DER WEELE, Notes Leyden Mus. xxv, p. 166, **n. sp.**

Ascalaphus kheili, Japan, NAVÁS, p. 49, pl. ii, fig. 1, Bol. Soc. Aragon. iv, **n. sp.**

Berotha occidentalis, Nevada, BANKS, p. 89, Invert. pacif. i, **n. sp.**

Brachynemurus irregularis, Texas, CURRIE, p. 186, P. ent. Soc. Washington 1905, **n. sp.**

Chrysopa microphya, early stages, TERRY, p. 175, pl. x, figg. 1–3, Bull. exp. Stat. Hawaii i.

C. marginalis, Spain, NAVÁS, p. 122, Bol. Soc. Aragon. iv, **n. sp.**

Coniopterygidæ of Silesia, monograph, in Polish, DZIĘDZIELEWICZA, pp. 377–385, 1 plate, Kosmos polski. xxx.

Glenurus pupillatus, Himalaya, NAVÁS, p. 54, pl. ii, fig. 4, Bol. Soc. Aragon. iv, **n. sp.**

Hemerobius striatellus, Transsylvania, KLAPÁLEK, p. 725, Vestnik Ceske Ak. xiii, **n. sp.**

Mantispa rugicollis, Himalaya, NAVÁS, p. 54, Bol. Soc. Aragon. iv, **n. sp.**

Megalomus minor, Nicaragua, BANKS, p. 90, Invert. pacif. i, **n. sp.**

Micromus jonas, New York, NEEDHAM, p. 15, Bull. N. York Mus. lxxxvi, p. 15, **n. sp.**

Myrmeleon ocreatus, characters, NAVÁS, p. 112, Bol. Soc. Aragon. iv.

Palmobius **n. g.** type *H. amiculus* Fitch, NEEDHAM, p. 17, Bull. N. York Mus. lxxxvi.

Panorpa pura, Transsylvania, KLAPÁLEK, p. 727, Vestnik Ceske Ak. xiii; *P. carolinensis*, N. Carolina, BANKS, p. 216, Bull. Amer. Mus. xxi: **n. spp.**

Panorpodes carolinensis, N. Carolina, BANKS, p. 215, t. c. **n. sp.**

Parasemidalis **n. g.** *Coniopterygidæ*, p. 197, *annæ* **n. sp.**, Berlin, p. 198, ENDERLEIN, Wien. ent. Zeit. xxiv.

Semidalis **n. g.** for *Coniopteryx aleurodiformis* Steph., ENDERLEIN, p. 197, t. c.

Sisyrura **n. g.** near *Sisyra*, *pectinata* **n. sp.**, Shanghai, NAVÁS, p. 51, pl. ii, fig. 2, Bol. Soc. Aragon. iv.

Spadobius **n. g.** type *H. occidentalis* Fitch, NEEDHAM, p. 16, Bull. N. York Mus. lxxxvi.

PSEUDO-NEUROPTERA.

PSOCIDÆ.

[Cf. ENDERLEIN (497, 507, 513), RIBAGA (1263, 1264), SNODGRASS (1424).]

Revision of *Atropides* and *Troctides*, with table of the families of *Copeognatha*, ENDERLEIN, Jägerskiöld exp. No. 18, 51 pp.

SNODGRASS, pp. 300–302, describes and figures pl. viii, figg. 9–16, the mouth-parts of *Peripsocus californicus* and of *Troctes divinatorius*, compares them with *Mallophaga* and finds a morphological identity, Tr. Amer. ent. Soc. xxxi.

Parthenogenesis, *Ectopsocus*, RIBAGA, Redia ii, pp. 33–36.

Amphientotum, in amber, cf. Palæoentomology, p. 130.

Embidopsocus luteus Hag., ENDERLEIN, p. 51, fig. 11, Jägerskiöld exp. No. 18.

Embidotroctes **n. g.** p. 48, *paradoxus* **n. sp.**, Cameroons, p. 49, ENDERLEIN, t. c.

Lepidilla **n. g.** subfam. n. *Lepidillinæ*, p. 99, *kelloggi* **n. sp.**, California, p. 100, pl. ix, RIBAGA, Redia ii.

Lepinotus reticulatus, Cairo, ENDERLEIN, p. 31, Jägerskiöld exp. No. 18, **n. sp.**

Myopsocnema **n. g.** for *Clothilla annulata* Hag., ENDERLEIN, p. 17, t. c.

Pachytroctes **n. g.** *ægyptius* **n. sp.**, Cairo, ENDERLEIN, p. 46, figg. 9, 37–43, t. c.

Philotarsus falklandicus, Falkland Ids., ENDERLEIN, p. 126, Zool. Anz. xxix, **n. sp.**

Stenotroctes **n. g.** type *Troctes needhami*, with *S. virgatus* **n. sp.**, S. America, p. 44, figg. 29, 31, 33, ENDERLEIN, Jägerskiöld exp. No. 18.

S. enderleini, Florence, RIBAGA, p. 106, pl. x, figg. 12–15, Redia ii, **n. sp.**

MALLOPHAGA.

[Cf. FULMEK (627), GROSS (699), SNODGRASS (1424).]

SNODGRASS describes, pp. 302–305, and figures, pl. viii, figg. 1–8, the mouth-parts of *Læmobothrium gypsis* and *Ancistrona gigas*, compares them with those of *Psocidæ* and finds them morphologically identical, Tr. Amer. ent. Soc. xxxi.

Structure of heart, FULMEK, Zool. Anz. xxix, pp. 619–621.

Bird-louse of *Cypselus affinis*, as intermediary host of *Filaria cypseli*, fig. pl. v, DUTTON, p. 139, Thompson Yates Lab. Rep. vi.

The ovaries of *Mallophaga*, and the affinities of the group, GROSS, Zool. Jahrb. Anat. xxii, pp. 347–386, pls. xx, xxi.

Eggs of "Pédiculines" of birds, TEMPÈRE, Microgr. prep. xiii, p. 34, pl. iii, figg. 1–11.

TERMITIDÆ or ISOPTERA.

[Cf. BRUNELLI (203, 204), DESNEUX (401, 402), DOFLEIN (437), ROBINSON (1285), SJÖSTEDT (1404).]

Account of Australian *Termitidæ*, nests, economics, systematic, FROGGATT, Agric. Gaz. N. S. W. xvi, pp. 632–656, 753–774, plates and illustrations.

Fungus-culture, building habits etc. *Termes obscuriceps*, DOFLEIN, pp. 140–149, Verh. Deutsch. zool. Ges. 1905.

Structure of ovary, and oogenesis, BRUNELLI (203).

Acanthotermes laticeps, Congo, SJÖSTEDT, p. 4, Arkiv Zool. ii, No. 16, **n. sp.**

Calotermes chilensis, valid sp., characters, DESNEUX, p. 337, Ann. Soc. ent. Belgique 1905; *C. adamsoni* Frogg. to *Porotermes*, DESNEUX, p. 360, Ann. Soc. ent. Belgique 1905; *C.* rendered infertile by *Protozoa*, BRUNELLI, pp. 718–721, Rend. Acc. Lincei xiv, ii.

C. papua, New Guinea, DESNEUX, p. 367, Ann. Mus. Hungar. iii, **n. sp.**

Eutermes rhinoceros, p. 11, *corniferus*, p. 12, *bycanistes*, p. 14, *lamanianus*, p. 15, *mandibularis*, p. 17, *mirandus*, p. 18, *bettonianus*, p. 19, Africa, SJÖSTEDT, Arkiv Zool. ii, No. 16, **n. spp.**

Hodotermes macrocephalus, Sind, DESNEUX, p. 344, Ann. Soc. ent. Belgique 1905; *H. pulcher*, Congo, SJÖSTEDT, p. 1, Arkiv Zool. ii, No. 16 : **n. spp.**

Rhinotermes dimorphus, New Guinea, DESNEUX, p. 368, Ann. Mus. Hungar. iii, **n. sp.**

Termes gestroi, natural history, ROBINSON, J. Fed. Malay Mus. i, pp. 2–12; *T. tubiformans*, imago, p. 338, *tenuirostris*, imago, p. 341, *cinereus*, soldier, p. 342, *T. ripperti* subsp. n. *dendrophilus*, p. 357, *T. fatalis*, synonymy, with *kœnigi* **n. sp.** (=*fatalis* Hag.), p. 360, *T. longirostris* Br. to *Rhinotermes*, p. 360, DESNEUX, Ann. Soc. ent. Belgique 1905.

T. apollo, E. Africa, SJÖSTEDT, p. 6, Arkiv Zool. ii, No. 16; *T.* (*Coptotermes*) *elisæ*, p. 368, *T.* (*Eutermes*) *biroi*, p. 369, with subsp. *brevior*, p. 370, *odontomachus*, p. 371, *grallator*, p. 374, *princeps*, p. 275, *gracilirostris*, p. 376, New Guinea, DESNEUX, Ann. Mus. Hungar. iii; *T. wheeleri*, Texas, p. 340, *mycophagus*, p. 348, *belli*, p. 352, *sindensis*, p. 354, *theobromæ*, Sao Thomé, p. 355, *hosei*, Sarawak, p. 356, DESNEUX, Ann. Soc. ent. Belgique 1905 : **n. spp.**

EMBIIDÆ or EMBIOPTERA.

The spinning apparatus, RIMSKY-KORSAKOW, Zool. Anz. xxix, pp. 438–442.

Abstract of Verhoeff's paper of last year, ADELUNG, Zool. Zentrlbl. 1905, pp. 580–585.

Embia ramburi, Alpes-maritimes, RIMSKY-KORSAKOW, Zool. Anz. xxix, p. 434, **n. sp.**

Oligotoma gurneyi, habits, FROGGATT, p. 175, P. Linn. Soc. N. S. Wales xxx.

PERLIDÆ or PLECOPTERA.

[Cf. BAKER (64), BANKS (71, 73), ENDERLEIN (504), FROGGATT (615), KLAPÁLEK (865, 866, 868), NEEDHAM (1089), REUTER (1258), RIS 1270).]

Amphineumura cinerea, true ♀, RIS, p. 96, Mt. Schweiz. ent. Ges. xi.

Antarctoperla **n. g.** p. 810, *anderssoni*, p. 811, *fuegiana*, p. 813, **n. spp.**, Tierra del Fuego, ENDERLEIN, Zool. Anz. xxviii.

Arcynopteryx **n. g.** for *D. compacta* McLachl. etc., KLAPÁLEK, p. 7, Rozp. Ceske Ak. Praze xiii, No. 17.

Atoperla **n. g.** type *Perla producta*, BANKS, p. 56, Psyche xii.

Austroperla **n. g.** for *Perla cyrene* Newm., NEEDHAM, p. 109, P. Soc. Washington xviii.

Capnia vidua, Transsylvania, KLAPÁLEK, p. 723, Vestnik Ceske Ak. xiii, **n. sp.**

Capnioneura **n. g.** p. 94, *nemuroides* **n. sp.**, Zurich, p. 95, RIS, Mt. Schweiz. ent. Ges. xi.

Dictyogenus **subg. n.** of *Isogenus* for *imhoffi* Pict. etc., KLAPÁLEK, p. 8, Rozp. Ceske Ak. Praze xiii, No. 17.

Dictyopterygella **subg. n.** p. 5, with *D. septentrionis* **n. sp.**, Siberia, p. 6, KLAPÁLEK, t. c.

Isogenus imhoffi, p. 3, *rubecula*, nymph, p. 8, cuts, KLAPÁLEK, t. c.

Leuctra antarctica, Tierra del Fuego, ENDERLEIN, p. 814, Zool. Anz. xxviii, **n. sp.**

Nemoura japonica, Kiushiu, NEEDHAM, p. 110, P. Soc. Washington xviii, **n. sp.**

Neoperla **n. n.** for *Pseudoperla* Banks, NEEDHAM, p. 108, t. c.; *N. pilosella*, Java, KLAPÁLEK, p. 103, Mt. Mus. Hamburg xxii : **n. sp.**

Peltoperla **n. g.** p. 107, *arcuata* **n. sp.**, New York, p. 108, NEEDHAM, P. Soc. Washington xviii.

Perla myrmidon Mab. to *Gripopteryx*, ENDERLEIN, p. 814, Zool. Anz. xxviii.
P. tennina, Japan, NEEDHAM, p. 109, P. Soc. Washington xviii ; *P. attenuata*, p. 55, *kansensis*, p. 56, Kansas, BANKS, Psyche xii ; *P. californica*, Claremont, BANKS, p. 87, Invert. pacif. i ; *P. carolinensis*, N. Carolina, BANKS, p. 215, Bull. Amer. Mus. xxi : **n. spp.**
Perlinella cinctipes, Kansas, BANKS, p. 56, Psyche xii, **n. sp.**
Tænionema **n. g.** p. 56, *analis* **n. sp.** Colorado, p. 57, BANKS, t. c.
Tæniopteryx nebulosa, appearance in hard weather, REUTER, Medd. Soc. Faun. Fenn. xxx, pp. 99, 100.
T. tenuis, Kiushiu, NEEDHAM, p. 110, P. Soc. Washington xviii, **n. sp.**

EPHEMERIDÆ or EPHEMEROPTERA.

[Cf. KLAPÁLEK (866), NAVÁS (1085), NEEDHAM (1093), SEILER (1375).]

Key to genera of N. American *Ephemeridæ*, NEEDHAM, pp. 22–26, and of the nymphs, pp. 26–28, pls. iv–xii, Bull. N. York Mus. lxxxvi. In this paper the nymphs of various N. American species are also described and figured.
Investigation of structure and function of ocelli in five species, *Cloëon*, *Baëtis*, *Ephemera*, *Heptagenia*, *Cœnis*, SEILER, Zool. Jahrb. Anat. xxii, pp. 1–40, pls. 1, 2.

Ameletes ludens, New York, NEEDHAM, p. 36, Bull. N. York Mus. lxxxvi, **n. sp.**
Cœnis nigropunctata, Java, KLAPÁLEK, p. 105, Mt. Mus. Hamburg xxii ; *C. allecta*, New York, NEEDHAM, p. 47, Bull. N. York Mus. lxxxvi : **n. spp.**
Chirotenetes albomanicatus, N. York, NEEDHAM, p. 31, pls. 5, 6, t. c. **n. sp.**
Cloëon virens, Java, KLAPÁLEK, p. 106, Mt. Mus. Hamburg xxii, **n. sp.**
Drunella **n. g.** pp. 27, 42, for *Ephemerella grandis* ?, NEEDHAM, Bull. N. York Mus. lxxxvi.
Ephemerella bispina, p. 43, *unicornis*, p. 45, Indiana, NEEDHAM, t. c. **n. spp.**
Jolia roeseli, the supposed nymph is really *Chirotenetes ignotus*, NEEDHAM, p. 28, t. c.
Polymitarcys albus, nymph, HOWARD, p. 60, Bull. N. York Mus. lxxxvi.
Pseudocloëon **n. g.** *kraepelini* **n. sp.**, Java, KLAPÁLEK, p. 105, Mt. Mus. Hamburg xxii, **n. sp.**
Rhithrogena ferruginea, Spain, NAVÁS, p. 123, Bol. Soc. Aragon. iv, **n. sp.**

ODONATA or PARANEUROPTERA.

[Cf. BRAUNER (172), CALVERT (670), EAST (488), EVANS (528), FOERSTER (584), GADEAU (631), GEISSLER (648), KIRBY (851, 852), MORTON (1073), NEEDHAM (1090), OSBURN (1127), TILLYARD (1494, 1495), WILLIAMSON (1635).]

Census of Selys' collection, SEVERIN, pp. 54–59, Ann. Soc. ent. Belgique 1905.
Proportions of the sexes in *Odonata*, TILLYARD, pp. 344–349, P. Linn. Soc. N. S. Wales xxx.
Odonata of the Crimea (in Russian), BRAUNER, Zapiski Novoross. Obshch. xxiv, pp. 73–102.
Odonata near Edinbro, EVANS, P. Phys. Soc. Edinb. xvi, pp. 87–96.

Æshninæ, synopsis of Centr. American genera, CALVERT, pp. 174, 175, Biol. Centr.-Amer. Neuropt.

Æshna dugesi, pl. viii, figg. 11, 12, p. 184, *williamsoniana*, figg. 13, 14, 19, p. 185, Mexico, CALVERT, t. c. **n. spp.**

Cordulegaster annulatus, oviposition, RIS, p. 113, Ent. News Philad. xvi; *C. obliquus*, habits, nymph, NEEDHAM, pp. 3, 4, Ent. News Philad. xvi.

Cyanogomphus ? tumens, Mexico, CALVERT, p. 169, pl. vii, figg. 11, 41, Biol. Centr.-Amer. Neuropt. **n. sp.**

Diplacodes friedericella, p. 75, *paraguayensis*, p. 76, Paraguay, FÖRSTER, Ins. Börse 1905, **n. spp.**

Diplax striolata, habits in captivity, JOHNSTON, p. 43, Irish Natural. 1905.

Edonis **n. g.** *Libellulinæ*, p. 113, *helena* **n. sp.**, Ypiranga, p. 114, NEEDHAM, P. Soc. Washington xviii.

Erpetogomphus eutainia, p. 162, pl. vii, figg. 24–27, 39, *ophibolus*, p. 163, figg. 30–32, 46, *sipedon*, p. 165, figg. 30, 40, 42, Mexico, *diadophis*, Texas, p. 167, pl. vii, figg. 35, 47, CALVERT, Biol. Centr.-Amer. Neuropt. **n. spp.**

Gomphinæ, the Centr.-American genera, CALVERT, pp. 146–148, t. c.

Gomphoides volsella, Mexico, p. 156, pl. vii, figg. 10, 13, 14, CALVERT, t. c. **n. sp.**

Heterogomphus naninus, Tonkin, FOERSTER, p. 19, Wien. ent. Zeit. xxiv, **n. sp.**

Ischnura elegans var. n. *infuscans*, CAMPION, p. 299, Entomologist 1905; *I. heterosticta*, dimorphic ♀, TILLYARD, p. 302, P. Linn. Soc. N. S. Wales xxx; *I. elegans*, rearing and crossing spp. with dimorphic ♀, DONCASTER, p. 110, Entomologist 1905.

I. fountainei, Algeria, MORTON, p. 147, Ent. Mag. 1905, **n. sp.**

Libellulinæ, synopsis of Centr.-American genera, CALVERT, pp. 198–205, Biol. Centr.-Amer. Neuropt.

Misthotus **n. g.** near *Orthetrum*, *marshalli*, p. 192, *ambiguus*, p. 194, **n. spp.**, S. Africa, KIRBY, Ann. Nat. Hist. (7) xv.

Onychothemis notabilis, Tonkin, KIRBY, p. 277, t. c. **n. sp.**

Progomphus clendoni, pl. vii, figg. 8, 9, p. 150, Mexico, CALVERT, Biol. Centr.-Amer. Neuropt. **n. sp.**

Selysiophlebia **n. g.** near *Gynacantha*, *aratrix* **n. sp.**, Paraguay, FÖRSTER, p. 75, Ins. Börse 1905.

Somatochlora linearis and nymph, NEEDHAM, p. 6, Ent. News Philad. xvi.

Sympetrum pallipes, *madidum*, characters, OSBURN, pp. 193–195, cuts, Ent. News Philad. xvi.

Tetragoneuria cynosura, oviposition, WILLIAMSON, p. 255, Ent. News Philad. xvi.

Toæschna **n. g.** near *Brachytron*, p. 21, *fontinalis* **n. sp.**, Tonkin, p. 25, FOERSTER, Wien. ent. Zeit. xxiv.

Zygonidia ceylonica, Ceylon, p. 273, *ænea*, Tonkin, p. 275, KIRBY, Ann. Nat. Hist. (7) xv, **n. spp.**

THYSANOPTERA.

[Cf. ASHMEAD (37), HINDS (748), REUTER (1260).]

Euthrips nicotianæ, Florida, HINDS, p. 198, P. Soc. Washington xviii, **n. sp.**

Heliothrips hæmorrhoidalis, injurious habits, LEONARDI, Bull. Ent. agraria v, 4 pp.

Idolothrips tibialis, Manila, ASHMEAD, p. 20, Ent. News Philad. xvi, **n. sp.**

Leucothrips **n. g.** near *Heliothrips*, p. 107, *nigripennis* **n. sp.**, Finland, in hothouses, p. 108, REUTER, Medd. Soc. Faun. Fenn. xxx.

(G.) *APTERA* or *THYSANURA* and *COLLEMBOLA.*

THYSANURA.

[Cf. BOUVIER (162), ESCHERICH (525), HEYMONS (745), NAVÁS (1085), VON OLFERS (1120), SILVESTRI (1394–1397), TEMPÈRE (1472), VERHOEFF (1539).]

The scales of *Collembola* and *Thysanura*, TEMPÈRE, Microgr. prep. xiii, pp. 254–260, pls. xxvii, xxviii.
Classification of *Thysanura*, SILVESTRI, Zool. Jahrb. Suppl. vi, p. 774.
Monograph of *Lepismatidæ*, classification and external morphology, ESCHERICH, Zoologica, Heft. 43.
The family *Projapygidæ*, SILVESTRI, pp. 638–641, Zool. Anz. xxviii.
The structure of the head and mouth of *Machilis*, VERHOEFF, Acta Ac. German. lxxxiv.
Embryology of *Machilis*, HEYMONS (745).

Acrotelsa **n. g.** p. 105, for part of *Lepisma*, *A. gigantea*, West Indies, p. 109, *producta*, Australia, p. 111, *impudica*, Colombia, p. 112, **n. spp.**, ESCHERICH, Zoologica xliii.
Anajapyx vesiculosus, characters, anatomy, classification, SILVESTRI, Ann. Scuol. Agric. Portici vi, 15 pp.
Anelpistina **subg. n.** cf. *Nicoletia.*
Atelura pseudolepisma, habits, FRIEDRICHS, p. 498, Zeitschr. Insbiol. i.
A. wheeleri, Texas, p. 125, *anommatis*, Congo, p. 128, *desneuxi*, Java, p. 147, ESCHERICH, Zoologica xliii, **n. spp.**
Braunsiella **n. g.** p. 67, *heymonsi*, p. 68, *grassii*, p. 69, **n. spp.**, S. Africa, ESCHERICH, t. c.
Braunsina **n. n.** for *Braunsiella* (supra), ESCHERICH, p. 144, t. c.
Campodea, morphology of head, abdomen etc., SILVESTRI, Zool. Jahrb. Suppl. vi, pp. 777–780.
C. pacifica, Chile, SILVESTRI, p. 780, Zool. Jahrb. Suppl. vi, **n. sp.**
Ctenolepisma **n. g.** p. 75, for part of *Lepisma*, *C. michaelseni*, Egypt, p. 80, *longicaudata*, S. Africa, p. 83, *versluysi*, Neotropical region, p. 84, *grandipalpis*, p. 85, *weberi*, p. 86, S. Africa, *albida*, Egypt, p. 87, *transcaspica*, Balchany, p. 89, *kræpelini*, Athens, p. 90, ESCHERICH, Zoologica xliii, **n. spp.**
Eutrichocampa breviseta, Chile, SILVESTRI, p. 784, Zool. Jahrb. Suppl. vi, **n. sp.**
Maindroniinæ, subfam. n. of *Lepismatidæ*, ESCHERICH, p. 37, Zoologica xliii.
Microcoryphia, n. order for *Machilis*, VERHOEFF, Acta Ac. German. lxxxiv, p. 109.
Heterolepisma **n. g.** for *L. pampeana* and *andina* Silv., ESCHERICH, p. 63, Zoologica xliii.
Isolepisma **n. g.** p. 61, *trisetosa* **n. sp.**, Lombok, p. 62, ESCHERICH, t. c.
Japyx, validity and synonymy of various species, SILVESTRI, pp. 641–643, Zool. Anz. xxviii ; *J. dux* var. n. *soulieri*, BOUVIER, p. 30, Bull. Soc. ent. France 1905 ; *J. megalocerus* = (*chilensis* Verh.), SILVESTRI, p. 786, Zool. Jahrb. Suppl. vi.
Lepidospora **n. g.** p. 131, *braueri* **n. sp.**, Seychelles, p. 132, *gracilis*, Sumatra, **n. sp.**, p. 148, ESCHERICH, Zoologica xliii.

Lepisma globosa, p. 50, *oudemansi*, p. 53, S. Africa, *crassipes*, Tunis, p. 54, *skorikowi*, Sevastopol, p. 59, ESCHERICH, t. c. **n. spp.**

Lepismina argentea, Spain, NAVÁS, p. 130, Bol. Soc. Aragon. iv; *L. persica*, Persia, p. 73, ESCHERICH, Zoologica xliii : **n. spp.**

Machilidæ, morphology of abdomen, SILVESTRI, pp. 794–797, Zool. Jahrb. Suppl. vi.

Machilis torquata, p. 109, *constricta*, p. 115, Spain, NAVÁS, Bol. Soc. Aragon. iv, **n. spp.**

Nicoletia grassii, Sicily = (*phytophila* G. & R. nec Gerv.), p. 134, ESCHERICH, Zoologica xliii; *N.* (subg. n. *Anelpistina*) *wheeleri*, p. 111, *ruckeri*, p. 113, Texas, *meinerti*, p. 114, Venezuela, SILVESTRI, pl. xi, Redia ii : **n. spp.**

Procampodea **n. g.** p. 115, *brevicauda* **n. sp.**, S. Italy, p. 117, pl. xii, SILVESTRI, t. c.

Silvestrella **n. g.** p. 65, *S. termitophila*, p. 66, *myrmecophila*, p. 67, **n. spp.**, S. Africa, ESCHERICH, Zoologica xliii.

Thermobia longimana, Thebes, ESCHERICH, p. 104, t. c. **n. sp.**

Trinemophora schaefferi, Chile, SILVESTRI, p. 790, Zool. Jahrb. Suppl. vi, **n. sp.**

COLLEMBOLA or APONTOPTERA.

[Cf. AXELSON (49), BECKER (88), CARL & LEBEDINSKY (277), FRANKLIN (597), HOFFMANN (753), KRAUSBAUER (891), LEBEDINSKY (929).]

Structure and function of the mouth-parts in *Tomocerus*, HOFFMANN, Zeitschr. wiss. Zool. lxxxii, pp. 638–663, pl. xxxiv.

Achorutes armatus var. n. *pallens*, KRAUSBAUER, p. 89, Ber. Oberhess. Ges. xviii; *A.*, 6 varr. n. from Finland, AXELSON, p. 788, Zool. Anz. xxviii.

A. frigidus, Finland, AXELSON, p. 788, t. c.; *A. assimilis*, Germany, KRAUSBAUER, p. 88, Ber. Oberhess. Ges. xviii : **n. spp.**

Entomobrya marginata var. n. *pallida*, KRAUSBAUER, p. 75, t. c.

E. superba, Germany, KRAUSBAUER, p. 75, t. c.; *E. albicollis*, Massachusetts, FRANKLIN, p. 77, Ent. News Philad. xvi : **n. spp.**

Isotoma fimetaria var. n. *caldaria*, AXELSON, p. 790, Zool. Anz. xxviii.

I. borealis, *angularis*, Finland, AXELSON, p. 791, t. c.; *I. schafferi*, Germany, KRAUSBAUER, p. 70, Ber. Oberhess. Ges. xviii : **n. spp.**

Isotomini, new sections *Furcati* and *Afurcati*, KRAUSBAUER, pp. 33, 34, t. c.

Oncopodura **n. g.** subf. n. *Oncopodurinæ*, *hamata* **n. sp.**, Krimea in caverns, CARL & LEBEDINSKY, p. 562, Zool. Anz. xxviii.

Neanura coronifera, p. 789, *reticulata*, p. 790, Finland, AXELSON, Zool. Anz. xxviii, **n. spp.**

Papirius minutus varr. n. pp. 59, 60, KRAUSBAUER, Ber. Oberhess. Ges. xviii.

P. violaceus, p. 61, *setosus*, p. 63, Germany, KRAUSBAUER, t. c. **n. spp.**

Pseudachorutes dubius, Germany, KRAUSBAUER, p. 94, t. c. **n. sp.**

Pseudachorutides **n. g.** *bogoyawlensky* **n. sp.**, Persian Gulf, BECKER, p. 72, Zool. Anz. xxix.

Sira platani var. n. *argenteocincta*, p. 81, *elongata* var. n. *fasciata*, p. 82, KRAUSBAUER, Ber. Oberhess. Ges. xviii.

Sminthurides cruciatus, p. 792, *annulicornis*, p. 793, Finland, AXELSON, Zool. Anz. xxviii, **n. spp.**

Sminthurinus, 3 varr. n., AXELSON, p. 794, t. c.; *S. pallipes* = (*speciosus* Krausb.), p. 42, *S. aureus* varr. n., pp. 45, 46, KRAUSBAUER, Ber. Oberhess. Ges. xxxiv.

S. quinquefasciatus, p. 42, *pumilis*, p. 47, *signatus*, p. 52, *parvulus*, p. 53, *assimilis*, p. 54, Germany, KRAUSBAUER, t. c. **n. spp.**

Xenylla borneri, Finland, AXELSON, p. 789, Zool. Anz. xxviii, **n. sp.**

(H.) *ORTHOPTERA.*

Regeneration of appendages, BORDAGE, Bull. Sci. France Belgique, pp. 307–454.

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FORFICULIDÆ.

[Cf. BORELLI (144, 145), BURR (219–222), CAUDELL (287, 288), GADEAU (632), KRAUSS (892), PAOLI (1137), PLANET (1209), REHN (1237), SOPP (1426), TERRY (1475), VERHOEFF (1539).]

Notes on Kirby's Catalogue, CAUDELL, pp. 84, 85, P. ent. Soc. Washington vii.

Structure of the head and mouth, *Dermaptera*, VERHOEFF (1539).

Use of forceps and variability in male, SOPP, Rep. Lancashire ent. Soc. 1904, pp. 38–43.

Perce-oreille, origin of name, use of forceps, GADEAU DE KERVILLE, Bull. Soc. zool. France 1905, pp. 55–63.

Ancistrogaster kervillei, Venezuela, BURR, p. 490, Ann. Nat. Hist. (7) xvi; *A. falcifera*, Peru, REHN, p. 510, P. U. S. Mus. xxix : **n. spp.**

Anechura athymia = (*eoa* Sem.), BURR, p. 495, Ann. Nat. Hist. (7) xvi.

A. sokotrana, Sokotra, BURR, p. 493, t. c.; *A. torquata*, Tonkin, BURR, p. 85, Ent. Mag. 1905 : **n. spp.**

Anisolabis pluto, Liberia, REHN, p. 506, P. U. S. Mus. xxix, **n. sp.**

Chætospania capella, Madagascar, BURR, p. 84, Ent. Mag. 1905; *C. confusa*, Mentawei, BURR, p. 489, Ann. Nat. Hist. (7) xvi : **n. spp.**

Chelidura sinuata var. n. *opisthogona*, p. 50, cut, *dilatata* var. on Canigou, p. 51, BORELLI, Feuille Natural. xxxv.

Chelisoches flavipennis Fabr. = (*variegata* Kirby = *vittatus* Burr), *C. shelfordi*, *hercules* is the ♂, BURR, p. 496, Ann. Nat. Hist. (7) xvi; *C. morio*, abdominal structure, development of antennæ, life-history, TERRY, pp. 164–171, pl. viii, Bull. exp. Stat. Hawaii i, pt. v.

C. stratioticus, Siam, REHN, p. 509, P. U. S. Mus. xxix, **n. sp.**

Diplatys gladiator, India, BURR, p. 29, J. P. Asiat. Soc. Bengal i, **n. sp.**

Forficula auricularia var. n. *nigra*, p. 270, *decipiens*, variation, p. 271, PAOLI, Boll. Soc. zool. Ital; *F. auricularia*, fighting with *Atypus*, PLANET, p. 239, Naturaliste 1905; *F. lesnei* in France, PLANET, pp. 80, 81, t. c.

F. obtusangula, Montenegro, KRAUSS, p. 5, SB. Bohmisch. Ges. 1904, No. 10; *F. canariensis*, Tenerife, p. 493, *redempta*, Sokotra, *vidua*, Guatemala, p. 494, BURR, Ann. Nat. Hist. (7) xvi; *F. acer*, p. 30, *celer*, p. 21, India, BURR, J. P. Asiat. Soc. Bengal i; *F. interrogans*, Darjiling, *davidi*, Mou-Pin, BURR, p. 85, Ent. Mag. 1905; *F. schwarzi*, Cuba, REHN, p. 513, P. U. S. Mus. xxix : **n. spp.**

Gonolabis verhoeffi, S. Australia, BURR, p. 487, Ann. Nat. Hist. (7) xvi, **n. sp.**

Labia laminata, Java, BURR, p. 84, Ent. Mag. 1905 ; *L. nigroflavida*, Queensland, REHN, p. 507, P. U. S. Mus. xxix ; *L. silvestrii*, Paraguay, BORELLI, p. 8, Boll. Mus. Torino xx, No. 516 ; *L. tenuipes*, Peru, BURR, p. 487, Ann. Nat. Hist. (7) xvi : **n. spp.**
Labidura mongolica, Pekin, REHN, p. 503, P. U. S. Mus. xxix, **n. sp.**
Labidurodes magnificus, Siam, REHN, p. 504, t. c. **n. sp.**
Mecomera kervillei, Java, BURR, p. 489, Ann. Nat. Hist. (7) xvi, **n. sp.**
Nesogaster dolichus Burr (as *Labia*) = *fruhstorferi* Verh., BURR, p. 495, t. c.
Opisthocosmia poultoni, Batchian, p. 491, *formosa*, Cameroons, p. 492, BURR, t. c. ; *O. æsculapius*, India, BURR, p. 530, Bol. Soc. espan. v ; *O. vivax*, India, BURR, p. 30, J. P. Asiat. Soc. Bengal i ; *O. bogotensis*, Colombia, REHN, p. 511, P. U. S. Mus. xxix : **n. spp.**
Psalis burri, Paraguay, BORELLI, p. 2, Boll. Mus. Torino xx, No. 516, **n. sp.**
Pygidicrana peruviana, Peru, REHN, p. 510, P. U. S. Mus. xxix, **n. sp.**
Sparatta incerta, Paraguay, BORELLI, p. 11, Boll. Mus. Torino xx, No. 516, **n. sp.**
Sphingolabis semifulva Borm., *furcifera* is the ♀, BURR, p. 495, Ann. Nat. Hist. (7) xvi.
Spongophora apicidentata, Arizona, CAUDELL, p. 461, P. U. S. Mus. xxviii ; *S. bertonii*, p. 5, *confusa*, p. 6, Paraguay, BORELLI, Boll. Mus. Torino xx, No. 516 : **n. spp.**

BLATTIDÆ and HEMIMERIDÆ.

[Cf. ADELUNG (8), BOLIVAR (128), CAUDELL (288, 293, 294), REHN (1239).]

Notes on Kirby's Catalogue, with list of omitted genera and species, CAUDELL, pp. 85–88, P. ent. Soc. Washington vii.

Anaplecta abortiva, Brownsville, CAUDELL, p. 105, Bull. Brooklyn Inst. i, **n. sp.**
Attaphila aptera, Colombia, *sexdentis*, Brazil, p. 137, *schuppi*, Porto Alegre, p. 138, BOLIVAR, Mt. Schweiz. ent. Ges. xi, **n. spp.**
Atticola **n. g.** *Corydiens* ?, p. 140, *mortoni* **n. sp.**, San Leopoldo, in nests of *Camponotus*, p. 141, BOLIVAR, t. c.
Blaberus biolleyi, Costa Rica, REHN, p. 792, P. Ac. Philad. 1905, **n. sp.**
Blatta scioana, p. 421, *B.* (*Phyllodromia*) *desertorum*, p. 424, E. Africa, ADELUNG, Annuaire Mus. St. Petersb. ix, **n. spp.**
Ceratinoptera bolivari, Galla land, ADELUNG, p. 431, t. c. **n. sp.**
Derocalymma : characters, pp. 473–476, ADELUNG, t. c.
Deropeltis gracilis, p. 455, *negus*, p. 458, *erythropeza*, p. 460, Abyssinia, *dmitriewi*, Galla land, p. 463, ADELUNG, t. c. **n. spp.**
Hemimerus talpoides, habits, MACLAUD, p. 174, Bull. Soc. ent. France 1905.
Ischnoptera adusta, Porto Rico, CAUDELL, p. 237, Canad. Ent. 1905, **n. sp.**
Litaneutria minor and allies, CAUDELL, p. 463, P. U. S. Mus. xxviii.
Loboptera ras, Abyssinia, ADELUNG, p. 436, Annuaire Mus. St. Petersb. ix, **n. sp.**
Mallotoblatta kraussi, Abyssinia, ADELUNG, p. 428, t. c. **n. sp.**
Nothoblatta **n. g.** p. 139, *N. wasmanni* **n. sp.**, San Leopoldo, in nests of *Camponotus*, p. 140, BOLIVAR, Mt. Schweiz. ent. Ges. xi.
Oxyhaloa lukjanovi, Abyssinia, ADELUNG, p. 467, Annuaire Mus. St. Petersb. ix, **n. sp.**
Phorticolea **n. g.** *Ectobiens*, p. 138, *testacea* **n. sp.**, Rio Grande do Sul, p. 139, BOLIVAR, Mt. Schweiz. ent. Ges. xi.
Pseudoderopeltis conspersipennis, p. 448, *spectabilis*, p. 451, Abyssinia, ADELUNG, Annuaire Mus. St. Petersb. ix, **n. spp.**
Stylopyga flavilatera ♂, ADELUNG, p. 439, t. c.
Temnopteryx brunneri, Abyssinia, ADELUNG, p. 433, t. c. **n. sp.**

MANTIDÆ.

[Cf. TEPPER (1473), WERNER (1615).]

Brunneria borealis, pl. iii, fig. 3, p. 82, CAUDELL, J. N. York Ent. Soc. xiii.
Centromantis **n. g.** type *Eremiaphila hedenborgi*, WERNER, p. 404, Anz. Ak. Wien 1904.
Eremiaphila tunetana, Tunis, *heluanensis*, *pyramidum*, Egypt, WERNER, p. 405, t. c. **n. spp.**
Fischeria quinquelobata, Centr. Australia, TEPPER, p. 238, Tr. R. Soc. S. Austral. xxix, **n. sp.**
Gongylus gongylodes, WILLEY, p. 198, 2 plates, Spolia Zeylan. ii.
Mantis religiosa in East France, VUILLEMIN, pp. 57, 58, Feuille Natural. xxxv.
Tenodera sinensis, failure of its introduction in New Jersey, SMITH, p. 247, Ent. News Philad. xvi. ; *T. sinensis*, persists in N. J., WENZEL, p. 312, t. c.
Vates townsendi, pl. iii, figg. 1, 2, p. 83, CAUDELL, J. N. York Ent. Soc. xiii.

PHASMIDÆ.

[Cf. BAKER (63), CAUDELL (291, 292, 294), FROGGATT (614), KIRBY (853), LEA (927), REHN (1239), TEPPER (1473).]

Acrophylla tasmaniensis, Tasmania, LEA, p. 81, plate, P. Soc. Tasmania 1902 ; *A. nubilosa*, p. 241, *paula*, p. 242, Australia, TEPPER, Tr. R. Soc. S. Austral. xxix : **n. spp.**
Aplopus mayeri, Florida, CAUDELL, p. 83, J. N. York Ent. Soc. xiii, **n. sp.**
Bacillus peristhenellus, Australia, TEPPER, p. 244, Tr. R. Soc. S. Austral. xxix, **n. sp.**
Bacunculus blatchleyi, Indiana, CAUDELL, p. 212, J. N. York Ent. Soc. xiii, **n. sp.**
Bostra, table, REHN, p. 795, P. Ac. Philad. 1905.
B. jugalis, Nicaragua, REHN, p. 72, Invert. pacif. i, **n. sp.**
Cyphocrania cornuta, Australia, TEPPER, p. 240, Tr. R. Soc. S. Austral. xxix, **n. sp.**
Diapheromera persimilis, Brownsville, CAUDELL, p. 107, Bull. Brooklyn Inst. i, **n. sp.**
Extatosoma tiaratum, habits, FROGGATT, pp. 519, 520, cuts, Agric. Gaz. N. S. W. xvi.
Hoplolibethra **n. g.** near *Caulonia*, *tuberculata* **n. sp.**, Brownsville, pl. vi, figg. 1, 2, CAUDELL, p. 108, Bull. Brooklyn Inst. i.
Libethra auritus, Costa Rica, REHN, p. 796, P. Ac. Philad. 1905, **n. sp.**
Lonchodes caurus, Australia, TEPPER, p. 239, Tr. R. Soc. S. Austral. xxix, **n. sp.**
Necroscia bella, Australia, TEPPER, p. 243, t. c. **n. sp.**
Olcyphides viridipes, Costa Rica, REHN, p. 798, P. Ac. Philad. 1905, **n. sp.**
Palophus allridgei, W. Africa, KIRBY, p. 279, Ann. Nat. Hist. (7) xv, **n. sp.**
Phibalosoma hypharpax, WILLEY, p. 199, pl., Spolia Zeylan. ii.
Podacanthus wilkinsoni, abundant and injurious in Australia, FROGGATT, p. 515, pl. with fig. of egg, Agric. Gaz. N. S. W. xvi.

GRYLLIDÆ.

[Cf. BAKER (63), BOLÍVAR (133), CSIKI (379), HANCOCK (720), MORSE (1072), REHN (1239), REHN & HEBARD (1242), VIEHMEYER (1548), VOSS (1555), WASMANN (1588).]

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CORRIGENDA.

INSECTA, p. 86, line 8 from bottom, for corei read cerci.
„ p. 160, „ 12 „ „ for *Danacaca* read *Danacaea*.

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(*e*) *Hemiptera.*

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(*h*) *Orthoptera.*

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Kohl, 1; Kaukasus, Tunis, Bucharai, *Ophion* spp. n.

Kokujev, 2; *Alysonini* de la Russie 2 spp. n.

Konow, 5; Spain, Tangier, Transcaspian, *Tenthredinidae* 3 spp. n.

Szépligeti, 2; Austria, Hungary, Slavonia, Corsica, Tangier, Cyprus, *Braconidae* spp. n.

Lepidoptera.

Verity, 1; *Rhopalocera*, serial work.

Kusnezov, 3; *Sphingidae* dans les faunes paléarctique et en partie paléanarctique (émodo-sérique).

Tutt, 3; List of palaearctic *Hesperiidae.*

Stichel, 3; *Parnassius* localities, subspp. n.

Bang-Haas; Switzerland, N. Africa, Syria, Centr. and W. Asia, Afghanistan, 15 spp. n.

Hampson, 1; Cyprus, Egypt, Algeria, Transcaspian, *Pyralidae* spp. n.

Hampson, 3; Cyprus, Algeria, Tunis, Asia Minor, Syria, Mongolia, *Cucullianae* 8 spp. n.

Diptera.

Meijere, 5; Revision of *Lonchopteridae* 2 spp. n.

Ricardo, 1; *Haematopota* localities.

Hermann; Biskra and Turkestan *Asilidae* 3 spp. n.

Hemiptera.

Oshanin, 1; Verzeichnis der paläarctischen Hemipteren mit besonderer Berücksichtigung ihrer Vertheilung im Russischen Reiche. 2 Band. *Homoptera.*

Oshanin, 2; *id.* 1 Bd. *Heteroptera.* I. Lief. *Pentatomidae-Lygaeidae.*

Horváth, 3, 6; Die *Tingitiden* des palaearktischen Faunengebietes (Ungarisch).

Melichar, 1; *Issides* Monographie spp. n.

(*b*) **Europe,** collectively.

Insecta.

Handlirsch, 3; Fossil insects.

Coleoptera.

Holdhaus; Verbreitung in den mitteluropäischen Hochgebirgen.

Eggers; Verbreitung einiger europäischer Borkenkäfer.

Jacobson, 2; Die Käfer Russlands und Westeuropas.

Šugurov, 1; Russia eur. *Omophlus quadricollis.*

(**Régimbart, 4**; *Hydroporus* nouveau.)

Hymenoptera.

Kieffer, 3; Europe and the Mediterranean, many spp. n.; *Braconidae, Evaniidae, Platygasterides, Proctotrypidae.*

Lepidoptera.

Lampert, 2; Coloured plates of European Lep.

Diptera.

Kieffer, 6; Bitche, Styria, Digne, *Cecidomyiidae, Sciaridae, Chironomidae, Bibionidae* spp. n.

Stein, 2; *Pegomyia* 16 spp. n.

Aphaniptera.

Rothschild, N. C., **7**; England and Italy, *Ischnopsyllus* 2 spp. n.

Perlidae.

Klapálek, 3; *Dictyopterygidae,* monograph.

(c) North Europe, Siberia.

Insecta.

Strand, 3; Beiträge zur Hymenopteren- und Dipteren-Fauna Norwegens.

Muchardt; Sweden, nya lokaler för skalbaggar och steklar; Uppsala Ent. Tidskr., **27**, (128–131).

Finland, summary of faunistic observations for 1904, *vide* Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, 1906, (211–215). Idem, for 1905, op. cit. **32**, (190–194).

Coleoptera.

Helliesen; In Jaederen und in Ryfylke gefundenen *Cerambycidae, Chrysomelidae* und *Coccinellidae.*

Strand; Norske fund av *Rhynchophoren:* Kristiania For. Vid. Selsk. 1903, No. 2, (1–14).

Ericson; Sweden, *Smicrus filicornis* novelty.

Lampa; Sweden *Oxytelus rugifrons* novelty; Uppsala Ent. Tidskr., **27**, (132).

Varenius; Helsingborg, *Aphodius pictus, Ceuthorrhynchus sahlbergi,* novelties; Uppsala Ent. Tidskr., **27**, (230).

† **Mjöberg, 3**; Sweden, interglacial, *Olophrum* sp. n.; Sweden interglacial *Gyrinus* sp. n.; also **Munthe.**

† **Witte**; Sweden, postglacial fauna, a few *Coleoptera.*

Poppius, 3; Finland, catalogue of imported *Col.*

Poppius, 1; Finland, *Crepidodera.*

Nordström; Finland, *Aegialia arenaria* novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, 1906, (5).

Poppius; Finland, *Tribolium confusum* novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **32**, (39).

Poppius; Finland, *Myllaena gracilicornis* novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, (73).

Sahlberg, 3; Finland, *Ceutorrhynchus scapularis* novelty.

Sahlberg, 4; Finland, *Agabus* sp. n.

Sahlberg; Finland, *Otiorrhynchus tristis, Ceutorrhynchus neutralis*; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, (55).

Phänologie, Excursionen in der Umgebung von St. Petersburg im Frühjahr 1904; **Mazarakij, 2.** (Russ.)

Jacobson, 1; Transbaikal *Donacia* sp. n.

Lapouge, 3; Lac Baïkal, *Carabus* list.

Poppius, 7; Siberia, *Cryobius* spp. n.

Poppius, 8; East and N. Siberia, *Pterostichus* (*Derulus*) 2 spp. n.

Poppius, 9; Lena-Thal, *Haliplidae, Dytiscidae* 7 spp. n.

Poppius, 11; Lena-Thal, *Carabidae* 15 spp. n.

Poppius, 12; N.E. Russia, 3 spp. n., *Carabus, Atheta, Bledius.*

Poppius, 13; Siberia, *Pterostichus* 5 spp. n.

Hymenoptera.

Lie-Pettersen, 2; Norway Hümmeln.

Strand, 3; *Ichneumones* collected in Hallingdal and Hatfjelddal.

Strand; Hymenopterologisk bidrag til Norges fauna; *Tenthredinidae* and *Aculeata*; Kristiania For. Vid. Selsk., 1903, No. 8, (1–8).

Nordenström; Sweden, *Ichneumonidae* list: Uppsala Ent. Tidskr., **27**, (133–136).

Forsius, 2; Finland, *Tremex, Emphytus, Taxonus* novelties.

Konow, 2; Solovetzkizolos and E-Siberia, *Trichiosoma* 2 spp. n.

Lepidoptera.

Rowland-Brown; Scandinavia and Lapland excursion, *Rhopalocera.*

Rowland-Brown; Lapland, *Herminia modestalis* and *Pionea decrepitatis*, (287). Entomologist, 1906.

Schneider, J.; Saltdalens (Norwegen), Lepidopterenfauna.

Thorsen; *Bombyx pini*, Norwegen.

Fabritius; Finland, *Geometridae*, 2 novelties.

Forsius, 1; Finland, *Ephestia inter punctella* novelty.

Poppius, 2; Finland, *Agrotis eversmanni* vice *collina.*

Wegelius; Finland, *Lasiocampa trifolii* novelty, (63) Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**.

Trichoptera.

Silfvenius, 4; Lake Ladoga, 98 spp., 1 sp. n.

Siltala, 4; Finland brackish water, 61 spp.

Silfvenius, 6; Finland short list.

Silfvenius; Finland, *Hydropsyche silfvenii* novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **32**, (67).

Ulmer, 3; Siberia, *Maniconeura* and *Leptocerus* sp. n.

Neuroptera.

Tullgren, 2; Sweden, *Coniopterygidae* sp. n.

Diptera.

Strand; Norske lokaliteter for *Diptera*; Kristiania, For. Vid. Selsk., 1903, No. 3, (1–11).

Frey, 1; Finland, *Sargus rufipes* and *nigripes*, *Pelecocera tricincta*, novelties.

Frey, 2; Finland, *Sciomyza simplex*, *Cheligaster ciliata*, novelties.

Frey, 3; Finland, *Brachypalpus bimaculatus*, *Alophora aurulans*, *Empis cinerea*, *Haematobia melanogaster.*

Levander; Helsingfors, *Anopheles claviger*; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **32**, (75).

Lundström; Finland, *Desmometopa M-atrum*, novelty.

Poppius; Finland, *Cheilosia chloris*, *Hilara pinetorum*; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **32**, (107).

Sahlberg, 1; Finland, *Hydrotaea albipuncta*, *Hydrophana convexa*, novelties.

Sahlberg, 2; Finland, *Chrysops.*

Mazarakij, 2; St. Petersburg, Excursionen in der Umgebung.

Hemiptera.

Muchardt; Sweden, novelties and localities.

Reuter; Finland, *Stenodema trispinosum*, novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, (34).

Horváth, 4; Irkutsk, *Plinthisus* sp. n.

Tullgren, 1; Sweden, *Coccidae* of; also op. cit. (158).

Orthoptera.

Adelung, 2; *Orthoptera*, Turgaica, (Siberia occidentali meridionali), *Acridiidae* 3 spp. n.

Adelung, 3; Tobolísk, Prodromus orthopterorum, *Celes* sp. n.

Thysanura and Collembola.

Lie-Pettersen, 4; Nördliches Norwegen, *Apterygotenfauna.*

Wahlgren, 3; *Thysanura* and *Collembola* of Sweden.

Wahlgren, 2; Torne Lappmark, *Collembola* 4 spp. n.

(*d*) British Islands.

THE FAUNA AS A WHOLE.

Insecta.

Fossil insects; **Handlirsch, 3.**

Coleoptera.

Hydrochus nitidicollis, novelty; **Donisthorpe, 2.**

Dinarda pygmaea, novelty; **Donisthorpe, 3.**

Lathrobium laevipenne, novelty; **W. E. Sharp.**

Euplectus tomlini sp. n.; **Joy, 2.**

Cryptomorpha desjardinsi, novelty; **Bagnall, 2.**

Corticaria crenicollis, novelty; **Joy, 4.**

Cardiophorus erichsoni, novelty, Lundy Island; **Joy** and **Tomlin.**

Ptinus pusillus, novelty; **Donisthorpe, 1.**

Carida affinis, novelty; **Sharp,** David, **2.**

Retrospect of discoveries, 1905; **Beare,** Ent. Rec., London, 1906, (1–7).

The myrmecophilous *Col.* of Great Britain; **Donisthorpe, 5.**

Imported *Coleoptera*; **Bagnall, 1.**

Nests of mammals and birds, *Col.* in, *Homalota paradoxa*, novelty; **Joy, 3.**

Lomechusa strumosa in Britain; **Donisthorpe,** (159), Ent. Rec., 1906.

Megacronus formosus at Swansea; **Donisthorpe,** (40), Ent. Mag., London, **42.**

Carpophilus sexpustulatus restored; **Bayford,** (179), Ent. Mag., London, **42.**

Thyamis curta withdrawn; **Newbery,** (87), Ent. Mag., London, **42.**—*Thyamis curta* restored; **Elliman,** (137), T.c.

Hymenoptera.

Bracon spp., with one novelty; **Morley, 2.**

Xeris spectrum, novelty; **Roebuck.**

Megastigmus spermotrophus, novelty; **MacDougall, 2.**

Kieffer, 12; *Proctotrypidae* spp. n.

Pseudisobrachium cantianum sp. n.; **Chitty.**

Additions to the list of *Aculeata* since 1896; **Saunders, 2.**

Microgasteridae, localities; **Morley, 1.**

Tenthredinidae, revision of list, with tables; **Morice, 1.**

Tenthredinidae, localities for; **Bloomfield,** (116), Ent. Mag., London, **42.**

Lepidoptera.

Blastotere glabratella, novelty; **Walsingham, 3.**

Stenoptilia graphodactyla novelty; **Mathew, 1.**

Mesophleps silacellus novelty; **Bankes, 2.**

Vol. xi, Completion of Barrett's work; **Barrett,** C. G.

Handbook, Vol. V, *Alucitides*; **Tutt, 4.**

British Butterflies; **South, 2.**

British Butterflies; **Tutt, 5, 6.**

Argyresthia illuminatella as British; **Bankes,** (63), Ent. Mag., London, **42.**

Tortrix pronubana established; **Adkin,** (306), Ent. Rec., 1906.

Abundance recently of certain species; **Adkin, 1.**

Deilephila livornica captures 1906, Entomologist, 1906, passim.

Pyrrharctia isabella in Britain; **Chapman,** (101), Ent. Mag. London, **42.**

Prodenia littoralis in Britain; **Meldola,** (xvi), London Proc. ent. Soc., **1906.**

Laphygma exigua, numerous captures in 1906; cf. Entomologist passim.

Orgyia gonostigma localities; **Burrows.**

Trichoptera.

Triaenodes reuteri novelty; **Morton, 2.**

Halesus guttatipennis localities; **Porritt,** (91), Ent. Mag. London, **42.**

Diptera.

Trichocera maculipennis novelty; **Grimshaw, 4.**

Empis hyalipennis novelty; **Mallock,** (257), Ent. Mag., London, **42.**

Phora revision, novelties, 4 spp. n.; **Wood.**

Phora novelties, sp. n.; **Wingate, 1.**

Phora sordida novelty; **Mallock,** (276), Ent. Mag., London, **42.**

Phora perennis novelty; **Collin.**

Pegomyia 3 spp. n.; **Stein, 2.**

Tables of British *Diptera*, and introduction to the study: **Wingate, 2.**

Retrospect of 1905; **Collin,** (75, 76), Ent. Rec., 1906.

Hydrotaea, the British, concluded; **Grimshaw, 1.**

Aphaniptera.

Ceratophyllus insularis sp. n.; **Rothschild,** N. C., **4.**

Hemiptera.

The British aquatic *Hemiptera*; **Kirkaldy. 1.**

Psocidae.

Reuterella helvimacula novelty; **Guermonprez.**

Collembola.

Isotoma sp. n., *Entomobrya* sp. n., Ireland; **Carpenter, 3.**

LOCAL LISTS.

Insecta.

Cornwall; **Clark.**

Polzeath, N. Cornwall captures; **Gibbs.**

Devonshire; **Goss.**

Dorset, 1905, first appearances; **Richardson.**

Berkshire; **Fowler, 2.**

Marlborough, novelties, etc.; **Meyrick,** (59–70), Marlborough Rep. Coll. Nat. Hist. Soc., **54.**

Somersetshire; **Blathwayt** and **Hudd.**

Kew gardens fauna; **Thiselton-Dyer** and others.

Shropshire captures; **Melvill,** Shrewsbury Rec. Caradoc F. Cl., **16,** (30–33).

Leicestershire, *Lep.* and *Col.* Some varieties; **Holyoak.**

Bradford; *Lepidoptera* **Carter,** *Diptera* **Ashworth,** *Blattidae* **Carter;** Bradford Nat. Hist. Soc. Rep., 1906, (1–16).

Galashiels, *Lep.* and *Col.*: **Shaw** and **Whitehead.**

St. Kilda, short list; **Evans,** (87), Ann. Scot. Nat. Hist., 1906.

St. Kilda, short list; **Waterston, 2.**

Fair isle: **Grimshaw,** (118), Ann. Scot. Nat. Hist., 1906.

Ireland, S.W., *Col.* and *Lep.*, short list; **Bonaparte-Wyse,** Irish Natural., 1906, (234).

Coleoptera.

Dawlish, *Sibinia* and *A. filirostre*; **De la Garde,** (180), Ent. Mag., **42.**

Yelverton, Devon; **Donisthorpe** (133), Ent. Rec., 1906.

Devon, captures; **de la Garde,** (230, 231), Ent. Mag., **42.**

Isle of Wight, annotated catalogue: **Donisthorpe, 6.**

Isle of Wight, *Lytta*; **Bryant,** (180), Ent. Mag., **42.**

New Forest, *Calosoma sycophanta*; **Walker,** (159), Ent. Mag., **42,** and Ethel **Chawner,** T.c. (229).

New Forest, *Gyrinus urinator*; **Rendel,** (273), Ent. Mag., **42.**

Lundy island; **Joy, 1,** list, *Stenus ossium* var. n., *Melanophthalma distinguenda* novelty.

Sussex captures; **Dollman,** (326), Ent. Rec., 1906.

Ditchling captures; **Dollman,** (45), Ent. Rec., 1906.

Dover, *Lytta vesicatoria*; **Shaw,** (268), Ent. Rec., 1906.

Dartford, *Procas armillatus*; **Jennings,** (138), Ent. Mag., **42.**

Kent, in birds' nests; **Chitty,** (115), Ent. Mag., **42.**

Kent, *Aëtophorus imperialis*; **Nicholson,** (230), Ent. Mag., **42.**

Sheppey, *Anisotoma lunicollis*; **Walker,** (159), Ent. Mag., **42**; *Holoparameus caularum*; **Walker,** T.c. (231).

Carshalton, *Amara anthobia*; **Attlee,** (13), Ent. Mag., **42.**

Woking captures; **Champion,** (255), Ent. Mag., **42.**

Chobham, *Stenus kiesenwetteri*, etc.; **Champion,** (136), Ent. Mag., **42.**

Guildford, *Medon castaneus*, etc.; **Champion,** (272), Ent. Mag., **42.**

Berkshire, *Microptilium pulchellum*; **Joy,** (180), Ent. Mag., **42.**

Sunningdale, *Stenus kiesenwetteri*; **Donisthorpe,** (134), Ent. Rec., 1906.

Reading; **Joy,** (40), Ent. Mag., **42**; Reading, in birds' nests: **Joy,** T.c. (39); *Tachyusa concolor*, id. T.c. (256).

Newbury, list; **Harwood,** (87, 88), Ent. Mag., **42**; also **Donisthorpe,** (268), Ent. Rec., 1906.

Epping, *Megacronus inclinans*; **Dollman,** (45), Ent. Rec., 1906.

Hendon, *Eumicrus rufus*; **Butler,** (138), Ent. Mag., **42.**

Enfield; **Pool,** (20, 21), Ent. Rec., 1906.

Tottenham, *Trigogenius globulum*; **Girningham,** (115), Ent. Mag., **42.**

Buckinghamshire, list, W. E. **Sharp**; Ent. Mag., **42,** (38, 39).

Oxford captures; **Walker, 2.**

Oxford, *Anisotomidae*, etc.; **Walker,** (273), Ent. Mag., **42**; Oxford, *Sitaris muralis*; **Hamm,** T.c. (273).

Sherwood Forest captures; **Taylor,** (272), Ent. Mag., **42.**

Suffolk, *Quedius longicornis*; **Morley,** (211), Ent. Mag., **42.**

Suffolk, additions; **Bedwell,** (12, 13), Ent. Mag., **42.**

Norfolk, *Quedius nigrocoeruleus*; **Joy,** (90), Ent. Mag., **42.**

Norfolk broads, *Donacia obscura*, etc.; **Donisthorpe,** (214), Ent. Rec., 1906.

Holme-juxta-mare, *Apion limonii*; **Morley,** (229), Ent. Mag., **42.**

Derbyshire, *Quedius riparius*; **Taylor,** (63), Ent. Mag., **42.**

Miller's Dale, Derbyshire, *O. rugifrons*; **Taylor,** (13), Ent. Mag., **42.**

Isle of Man; **Tomlin.**

Southport, novelties; **Chaster.**

Yorkshire, list, novelties; **Bayford,** (372, 373), Naturalist, 1906; Short list; **Bayford,** T.c. (180).

Doncaster, *Broscus*, etc.; **Corbett,** (223), Naturalist, London, 1906.

Derwent Valley, *Rhizophagus cribratus*, etc.; **Bagnall,** (256), Ent. Mag., **42.**

Cumberland, captures; **Britten,** (74, 75). Ent. Rec., 1906; and **Day,** Ent. Mag., **42,** (61–63).

Northumberland, Durham, additions to list; **Bagnall,** (323, 324), Ent. Rec., 1906; *Scydmaenidae* and *Pselaphidae*, *id.* T.c. (326).

Northumberland, Durham, myrmecophilous *Col.*; **Donisthorpe,** (159–161), Ent. Rec., 1906; *Epuraea*, list of; **Bagnall,** (159), Ent. Mag., **42.**

N. Wales captures; **Donisthorpe,** (241), Ent. Rec., 1906; *Henoticus serratus*; **Taylor,** (90), Ent. Mag., **42.**

Scotland, captures 1905; **Carter,** (181, 182), Ent. Mag., **42**; Scotland, *Ptinus tectus*; **Evans,** Ann. Scot. Nat. Hist., 1906, (56).

Dunfermline and Stromness; **Beare,** (40), Ent. Mag., **42.**

Fair Isle; **Beare, 1, 2.**

Highlands; **Bevins,** (134, 135), Ent. Rec., 1906.

Strathspey, *Cryptohypnus pulchellus*; **Black**; also (321–323), Ent. Rec., 1906.

Sutherland, *Otiorrhynchus morio ebeninus*; **Taylor,** (272), Ent. Mag., **42.**

Orkney and Shetland islands, Catalogue, 246 spp.; **Poppius, 10.**

Ireland, novelties; **Johnson,** (11, 12), Ent. Mag., **42**; captures; id. T.c. (89); short list; id. Irish Natural., 1906, (74).

Fermanagh, list; **Johnson.**

Wexford, *Paederus caligatus*; **Johnson,** Irish Natural., 1906, (14).

Wicklow, *Strangalia aurulenta*; Sligo, *Pelophila borealis*; **Carpenter,** Irish Natural., 1906, (275).

Hymenoptera.

Lyme Regis, *Aculeata* captures; **Nevinson,** (90), Ent. Mag., **42.**

New Forest, Cornwall, etc., captures; **Arnold,** (275), Ent. Mag., **42.**

Hastings, *Aculeata* captures; **Frisby,** (90), Ent. Mag., **42.**

Chobham, *Heriades truncorum*; **Morice,** (214), Ent. Mag., London, **42.**

Leith Hill, *Andrena lapponica*; **Frisby,** (180), Ent. Mag., **42.**

Holmwood, Surrey, captures; **Mortimer,** (232), Ent. Mag., **42.**

Northwich, *Athalia scutellariae*; **Coward,** (233), Ent. Mag., **42.**

Yorkshire, *Fossoria* novelties; **Roebuck,** (405), Naturalist, 1906.

Yorkshire, *Apidae* 6 spp.; **George,** (199), Naturalist, 1906.

Northumberland, Durham, *Formicoxenus*; **Bagnall,** (140), Ent. Mag., **42.**

N. Wales, *Andrena lapponica*; **Gardner,** (213), Ent. Mag., **42**; *Halictus freygessneri*, id. (214).

Scotland, *Aculeata*; **Saunders, 1.**

Haddingtonshire, *Crabo carbonarius*, etc. ; **Evans**, (232), Ent. Mag, **42**.

Perthshire, *Aculeata* captures; **Rothney**, (257), Ent. Mag., **42**.

Fillans, Perthshire, *Aculeata* list; **Rothney**, (14), Ent. Mag., **42**.

Lepidoptera.

Cornwall, *Deiopeia*, etc.; **Rollason**, (292), Entomologist, 1906.

Cornwall and S. Devon, *P. daplidice*; **Lyon**, (290), Entomologist, 1906.

South Devon, *Heliothis peltiger*; **Walker**, (211), Entomologist, 1906.

South Devon, *Crambus fascellinellus*; **Edelsten**, (19), Entomologist, **29**, and **Studd**, T.c. (43).

Isle of Purbeck, *Sterrha sacraria* and *Phalonia manniana*; **Bankes**, (64), Ent. Mag., **42**; and *Perinephele lancealis*, id. T.c. (138).

Lyndhurst, *Vanessa antiopa*; **Cripps**, Entomologist, 1906, (161).

Wiltshire, *Heliothis peltigera*, **Boyne**, (234), Entomologist, 1906.

Salisbury and Devizes, *Aporophyla nigra*, etc.; **Meyrick**, Marlborough, Rep. Coll. Nat. Hist. Soc., **54**, (97).

Surrey, *Cateremna terebella*; **Thurnall**, (180), Ent. Mag., **42**.

Eastbourne, sketch of *Lep*, **Jenner**; *Tortrix pronubana*, **Adkin**, (274), Ent. Mag, **42**, and **Image**, T.c. (13).

Lewes, *Heliothis peltiger*; **Vinall**, (211), Entomologist, 1906; *Deiopeia*; **Jarvis**, (292), T.c.

East Grinstead, *Polygonia cc-album*; **Perkins**, (234), Entomologist, 1906.

Horsham (with dates of appearance); **White**.

Bagshot, *Rhopalocera* list; **Floersheim**, (276), Ent. Rec., 1906.

Camberley, *Boletobia fuliginaria*; **Tulloch**, (208), Entomologist, 1906.

Reading, *Dicycla oo*, *renago*; **Butler**, (161), Entomologist, 1906.

Woking *Deilephila livornica*; **Smith**, (211), Ent. Mag., **42**.

Dorking long list ; **Oldaker**.

Betchworth *Orobena straminalis*; **Plum**, Entomologist, 1906, (118, 189).

Ranmore Common *Limenitis sibylla*; **Dods**, (188), **Wightman**, (210), Entomologist, 1906.

Kent *Catoptria aspidiscana*; **Bower**, (274), Ent. Mag., **42**.

Sheppey *Leucania favicolor*; **Jacobs**, (211), Ent. Mag., **42**.—*Leucania favicolor*, *id.* T.c. (210).

Chiswick; **Dollman**, Ent. Rec., 1906, (145, 146).

Epping, *Limenitis sibylla*; **Campion**, (235), Entomologist, 1906.

London S.E. district, catalogue; **West**.

London district *Tineina*, notes ; **Sich**.

London *Cym. octogesima*; **Place**, (257), Entomologist, 1906.

Hammersmith; **Bird**, (204, 206), Ent. Rec., 1906.

Chiltern hills *Epione advenaria*, etc.; **Bell**, (210), Entomologist, 1906.

Rugby; **Sanders**, (25, 32), Rugby Rep. School Nat. Hist. Soc., 1905.

Oxford, 1,400 species; **Walker, J. J.**, **3**.

Shelford (Cambs.) *Vanessa antiopa*; **Bagnall**, Entomologist, 1906, (118).

Suffolk, 1905 list; **Bloomfield**.

East Suffolk, captures, 1905; **Waller**.

Woodbridge *Hyloicus pinastri*; **Waller**, (210), Entomologist, 1906.

Wicken and Huntingdon fens; **Fryer** and **Fryer**, (139–141), Entomologist, 1906.

Huntingdonshire *Noctuidae*; **Cox** and **Brooke**.

Abertillery Monmouthshire *Rhopalocera*; **Rait-Smith**, (308), Ent. Rec., 1906.

Tenby *Plussa ni* and *Laphygma exigua*; **Finzi**, (212), Entomologist, 1906.

Wye Valley, *Rhopalocera*; **Bird**.

Wye Valley captures ; **Barraud**, (213, 214), Entomologist, 1906.

Wotton-under-Edge *Argynnis paphia valesina*; **Perkins**, (211), Entomologist, 1906.

Northants, Victoria county history, supp.; **Slater**.

Northampton; **Wallis**.

Chester, 1905 captures; **Arkle**, (66–68), Entomologist, 1906.

Staffordsh. *Lep.* in 1905; **Bostock,** (66–68). Stafford, Rep. N. Staffs. Field Club, **40.**

Leicestershire *Eupithecia debiliata* and other novelties; **Whittingham,** Entomologist, 1906, (42).

Yorkshire, 1905, [Anon.] Naturalist, London, 1906, (39–41).

Yorkshire *Orthotaenia antiquana*; **Lofthouse,** (70), Naturalist, 1906.—*Gelechia scalella*; **Porritt,** T.c. (200).

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Diptera.

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(*e.*) Central and Eastern Europe.

Insecta.

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Lange; Entomologisches aus dem sächsischen Erzgebirge.

Standfuss, 1; Switzerland, introduced insects.

Vogler; St. Gallen, Zoocecidien.

Olasz; Ungarns Orthoptera und Neuroptera (Ungarisch).

Hoffer and others; Steiermark, entom. Soc. reports.

Rudow, 4; Sammlerfahrt nach Südtirol.

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Coleoptera.

Johansen; New and rare *Col.* of Denmark.

Mikutowicz; Baltic provinces, catalogue.

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Gerhardt, 4, 5; Silesia, *Atheta* sp. n.

Gerhardt, 2, 3; Neuheiten, schlesische.

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Vorbringer, 1; Sammelbericht, Ostpreussen.

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Schreiber; Oderwald, Cerambyciden und Buprestiden.

Reineck; zwei *Chrysomelidenarten* in Thüringen.

Strohmeyer; Deutschland, *Platypus* var. ? *cylindriformis*.

Born, 4; Monte Generoso Carabenfauna.

Müller, Julius; St. Gallen, 3. Beitrag.

Stierlin; Schaffhausen, Catalogue, 1 Teil and Teil 2.

Koča; Vinkovce, catalogue.

Łomnicki; (Polish) Léopol, Coléoptères, 4-ème partie.

Fleischer, 3; Mähren und Böhmen-*Liodes* sp. n.

Fuchs, G., **3**; Borkenkäfer Kärntens.

Krauss; Styria and Herzegovina, *Anophthalmus* 2 spp. n.

Petri, 1; Transsylvanian Alps, *Malthodes* sp. n.

Csiki, 1; Ungarische Morphocaraben, Distribution.

Brancsik; Hungary, Com. Trencsén Catalogue.

Csiki, 3; Borkenkäfer Ungarns (ungarisch).

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Vángel; Ungarn, *Coleoptera* (ungarisch.)

Jasilkowski; Bukowina.

Formánek, 1; Dobrudscha, *Brachysomus* sp. n.

(**Fleischer, 6**; Flugzeit von *Colon* und *Liodes* . . . in der Umgebung von Brünn.)

(**Müller, 6**; Vier neue Höhlenkäfer aus dem österr. Litorale.)

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Semenov, 3; Moscou, *Copris lunaris* L.

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Warnecke; Schleswig-Holstein, Beiträge.

Claus; Lothringen, *Saturnia pyri*.

Scherdlin; Strassburg, *Attacus cynthia*.

Schultz, 4; Schlesien, *Acronicta* sp n.

Cornelsen; Westfalen, *Vanessa xanthomelas* und *Euchloe belia ausonia*.

Gillmer, 8; Mecklenburg, *Argynnis dia*.

Fassl; Berlin, *Polygonia c-album* ab. f-*album* Esp.

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Denso, 2; Genfer See.

Gurney; Switzerland, excursion captures.

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Dyakowski; Tableau des papillons ordinaires de la Pologne. (Polish.)

Sitowski, 1; Chaîne de Pieniny, Carpathes, *Macrolepidoptera* list.

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Krulikovsky; Ourjoum, gouv. de Viatka. (Russ.)

Zaicev, 1; Lepidopterenfauna von Novgorod. (Russ.).

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Jachontov, 2; Rhopalocera der Gouv. Vladimir und Nijni-Novgorod. (Russ.)

Trichoptera.

Weele; Netherlands, *Setodes interrupta*, novelty; Ent. Ber. Nederland, **2**, (147).

Thienemann; Tiroler Trichopteren.

Neuroptera.

Petersen, 2; Denmark, *Planipennia.*

Enderlein, 19; Berlin, *Coniopterygidae* 2 spp. n.

Frey-Gessner; Switzerland, *Acanthaclisis occitanica*; Bern. Mitt. schweiz. ent. Ges, **11**, (166).

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Strobl, P. G., **2**; Steiermark, *Neuroptera* s.l., synopsis.

Diptera.

Kieffer and **Nielsen**; Denmark, *Rhabdophaga* sp. n.

Meijere, 3; Holland, *Cecidomyiidae* 2 spp. n.

Guilliaume; Belgium, numerous novelties.

Jacobs, J. C.; Belgium, Catalogue fam. x–xxiii.

Kieffer and **Thienemann**; Germany, *Orthocladius* 2 spp. n.

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Czerny, 3; Austria, *Gaurax* 2 spp. n.

Landrock; Brünn, *Brachycera.*

Czerny, 1; Oberösterreich, *Chortophila* 2 spp. n.

Seitner; Idria *Cecidomyiidae* gen. n.

Bartel; Ungarn, Beiträge. (Ungarisch.)

Portschinsky, 3; Russia, *Rhinoestrus purpureus* Br.

Meunier, 2; Baltic amber, *Psychodidae* and *Tipulidae*.

Hemiptera-Heteroptera.

Schouteden; Bruxelles, novelties, Bruxelles, Ann. Soc. ent. Belgique, **50**, (310).

Hueber; Deutschland, *Capsidae*, Synopsis.

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Horváth, 7; Crimée, *Miraria* gen. n.

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Jakovlev, 4; Tauride, Hétéroptères. (Russ.)

(**Guérin, J.**; Matériaux pour servir à l'histoire des Hémiptères.)

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Schugurov; Krim, *Homoptera*, Catalogue.

Aphidae.

Schouteden, 9; Belgium, Catalogue, 4 spp. n.

Coccidae.

Oudemans; *Orthezia urticae.*

Psocidae.

Enderlein, 18; Copeognathen-Fauna Westpreussens.

Zavarzin; Copeognathen, Novgorod. (Russ.)

Ephemeridae.

Dziedzielewicz, 1; Galicie, Ephémérides. (Polish.)

Klapálek, 4; Croatia-Slavonia, *Neuroptera*, list, *Rhitrogena* sp. n.

Odonata.

Petersen, 1; Denmark, list.

Timm; Hamburg, Verzeichnis.

Orthoptera.

Alfken; Verzeichnis der bei Bremen aufgefundenen *Orthoptera genuina.*

Geisenheyner; Kreuznach, *Ephippigera vitium.*

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Thysanura.

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Shugurov, 2; *Machilinus rupestris.*

Collembola.

Axelson; Reval, 68 spp., 1 sp. n.

(*f*) France.

Insecta.

Marchal and **Chateau**; Saone et Loire, Catalogue des Zoocecidies.

Mabille, 3; Ile d'Oléron, faune, *Coleoptera*, *Orthoptera*, *Odonata*, *Neuroptera*, *Hymenoptera*, *Lepidoptera*, with *Lita* sp. n.

Peyerimhoff, 1; Basses Alpes, Faune cavernicole.

Coleoptera.

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Dubois, A.; *Aleochara* gallo-rhénans.

Le Comte, 2; Lamellicornes, Tableaux de détermination.

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Desbrochers, 8; France and Corsica, *Pterostichus* of, part 1.

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Desbrochers, 6; *Cleonus* of France and Corsica.

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Bedel, 3; *Onthophagus grossepunctatus* novelty.

Chobaut, 2; Novelty, *Mordellistena tournieri.*

Abeille, 1; *Miarus* 3 spp. n.

Normand; *Amauronyx* sp. n., *Bryaxis* sp. n., *Cephennium* sp. n.; *Tachyusa-raptoria*, *Dimerus staphylinoides*.

François; Pas-de-Calais, *Aegialia rufa*. Paris, Bull. soc. ent. France, 1906, (162).

Lesne, 8; Rueil, *Brachyrrhinus gyrosicollis*.

Saulcy, de; Lectoure *Trechus* sp. n.

Desbordes; Seine-et-Maine, *Drapetes mordelloides*, Paris, Bull. Soc. ent. France, 1906, (197).

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†Cayeux; Finistère *Col.* remains in peat.

Desbrochers, 7; Cher et Loire, flood-refuse.

Clermont; Gers.

Desbrochers, 5; Gard *Orthochaetes* sp. n.

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Fauvel, 2; Auvergne (mont Dore et Plomb-du-Cantal), 4e supplément.

Planet, 2; Sainte-Mesme (Isère), Coléoptères cavernicoles de la grotte de.

Jeannel, 5; Ariège, *Bathyscia* 2 spp. n.

Pic, 34; Basses-Alpes, *Evodinus*.

Jeannel, 1; Basses-Pyrénées, *Bathyscia* sp. n. and *Bathysciella* gen. n.

Jeannel, 6; Pyrénées orientales, *Troglophyes* sp. n.

(**Abeille de Perrin, 12**; *Bythinus* nouveau de France.)

(**Abeille de Perrin, 2**; *Trechus* avengles européens.)

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(**Abeille de Perrin, 5**; Coléoptère hypogé français.)

(**Abeille de Perrin, 6**; *Bathyscia* des Basses-Pyrénées.)

(**Abeille de Perrin, 7**; Coléoptèrea français nouveaux.)

(**Abeille de Perrin, 8**; *Trechus* nouveau de France.)

(**Abeille de Perrin, 10**; Nouveau Coléoptère.)

(**Bedel, 8**; Curculionide aquatique: *Stenopelmus rufimanus*.)

(**Bedel, 9**; Coléoptères recoltés à la Ferté.)

(**Bedel, 10**; Coléoptères d'Itteville (Seine-et-Oise), (176–177), Paris, Bul. soc. ent., **1905**.)

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(**Bourgeois, 9**: *Malthodes* nouveaux.)

(**Bruyant**, C.; Buprestide fossile . . .)

(**Chobaut, 9**; Deux coléoptères cavernicoles nouveaux.)

(**Chobaut, 10**; *Trechus* nouveau . . .)

(**Chobaut, 11**; *Ripidius* nouveau.)

(**Chobaut, 13**; *Hydroporus* nouveau.)

(**Chobaut, 15**; Un staphylinide nouveau.)

(**Chobaut, 17**; Un Coléoptère cavernicole nouveau.)

(**Deville, Sainte-Claire, 7**; Harpalide.)

(**Dodero, 1**; Psélaphide aveugle . . .)

(**Le Comte, 4**; Tableaux de détermination des Cétonides . . .)

(**Mayet, 4**; Aphodius nouveau . . .)

(**Peneau, 2**; Excursions entomologiques.)

(**Peyerimhoff**, P., **5**; Nouveau Silphide cavernicole . . .)

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(**Puel**, L.; *Anisodactylus* nouveau.)

Hymenoptera.

Gaulle; Catalogue.

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Vachal, 1; Canigou *Andrena* sp. n.

Lepidoptera.

Viard; various localities, 8 spp., Paris, Bull. Soc. ent. France, 1906, (150).

Vaucher; *Syntomis alicia*.

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Smits, 3; Dép. du Nord, *Chloanta polyodon.*

Poulot; Etampes, *Vanessa levana prorsa.*

Goltz; Lothringen, *Saturnia pyri.*

Joannis; Seine-et-Oise *Schoenobius gigantellus*, Paris, Bull. Soc. ent. France, 1906, (140).

Balestre, 1; Nice, *Acidalia* sp. n.

Siepi; Bouches-du-Rhône, Catalogue.

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Rowland-Brown; Pyrenees, *Lycaena* var. *lycidas* correction, Entomologist, **29**, (19).

Rondou, 1; Microlépidoptères de la vallée de Barèges.

Oberthür, 8; Pyrénées orientales *Lycaena donzelii*, Hautes Alpes *Chelonia flava.*

(**Balestre, 2**; *Plusia* nouvelles des Alpes-Maritimes.)

Neuroptera.

Navas, 5; Fontainebleau, *Myrmeleon nostras.*

Lucas, 5; South France, brief list.

Diptera.

Villeneuve, 5; Catalogue des Diptères de France, *Leptidae* and *Stratiomyidae.*

Conte et **Vaney**; *Anopheles maculipennis*, région lyonnaise.

Kieffer, 9; Moulins *Rhabdophaga* sp. n.

Villeneuve, 1a; Montpellier *Limnophora* 2 spp. n.

(**Villeneuve, 1**; Coup d'œil sur la faune diptérologique des Alpes françaises.)

(**Villeneuve, 2**; Diptères de France.)

(**Pandellé, 3**; Le *Cheilosia* . . .)

(**Pandellé, 1**; Etude sur les Muscides.)

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Hemiptera-Heteroptera.

Guérin and **Péneau**; *Lygaeidae* of France, Catalogue.

Roger, 4; Angers, criticism of recent records.

Abot; Angers, *Nabis boops.*

Pionneau; Hémiptères, faune française, *Nabis boops* Bretagne.

Lambertie, 2; Bordeaux short list, *Systellonotus* sp. n.

Péneau; Loire-Inférieure, novelties. Bull. Soc. Sci. Nat. Ouest., France, Ser. 2, (xxii).

(**Reuter, 12**; *Capsides*, nouveaux).

Coccidae.

Leonardi, 3; Nancy, *Leucaspis* sp. n.

Orthoptera.

(**Fagniez**, Ch.; *Dolichopoda palpata.*)

Bérenguier; *Saga serrata.*

Vuillemin; Lorraine, *Mantis.*

Azam, 2; Pyrénées, *Stenobothrus* sp. n.

†**Meunier, 6**; Fontanes houillier supérieur, *Etoblattina* sp. n.

(**Borelli, 6**; Forficules des Pyrénées).

(*g*) South Europe and Mediterranean.

Insecta.

Tavares, 3; Portugal, synopsis of zoocecidia.

Tavares, 1, 2, 4; Spain and Portugal, galls.

Fuente; Cindad Real, captures.

Navás, 4; Aragón, brief lists.

Cecconi; Tuscany galls.

Olivier, 3; Bou-Saada, excursion.

Graeffe, 1; Tunis, catalogue with localities.

Penther; Erdschias-Dagh, account of journey.

Coleoptera.

Solari, 2; Algeria, Tunis, Italy, Herzegowina, *Curculionidae* 12 spp. n.

Desbrochers, 4; Spain, N. Africa and Asia Minor, *Curculionidae* 13 spp. n.

Desbrochers, 3; Algeria and Asia Minor, *Holcorhinides* 4 spp. n.

Flach, 1; Portugal, *Elaphocera* sp. n., *Apion* sp. n.

Escalera, 6; Spain, *Asida*, 2 spp. n.

Pic, 19; Espagne, *Anthicus* and *Gymnetron* sp. n.

Reitter, 16; Spain, *Helops* 2 spp. n., *Curculionidae* 6 spp. n.

Escalera, 2; Murcia, *Asida* sp. n.

Escalera, 5; Motril, *Asida* sp. n.

Bickhardt, 1; Reise nach Korsika.

Bickhardt, 2; Corsica, list, novelties, *Amara* sp. n.

Deville, 5; Corsica, Catalogue, *Carabidae* to *Staphylinidae*; *Bembidium*, *Amara*, *Medon*; spp. n.

Maindron, 8; Corsica, list *Carabidae*, with correction, T.c. (291).

Grandi, 1; Sardinia, *Cicindela* sp. n.

Jacobson, 3; Sardinia, *Labidostomis* sp. n.

Razzauti; Elba, Pianosa, list.

Botto, 2; Italia, Aggiunte al catalogo del Bertolini.

Vitale, 2; Italia, note topografiche.

Porta; *Stafilinidi* italiani, revisione.

Leoni, 1; Italia, novelties, *Rhizotrogus* and *Otiorrhynchus*, sp. n.

Leoni, 3; Italia, *Cebrio* sp. n.

Amore, 1; Italia, *Hoplia* sp. n.

Amore, 4; Italia, *Eudipnus* sp. n.

Fiori, 1; Italia, *Malthodes* revision, completed, 3 spp. n.

Mainardi; Italia, *Curculionidae* gen. n.

Kuhnt, 1; Käfersammler im Mai am Garda-See.

Leoni, 2; Umbria, *Chilotoma* sp. n.

Silvestri, 1; Umbria, *Rhipiphoridae* gen. n.

Fiori, 2; Emilia, *Heterocerus*, *Agrilus*, *Dasytes* and *Orchestes*, sp. n.

Amore, 2; Monte Sirenti, *Otiorrhynchus* sp. n.

Raffray, 1; Rome, *Amaurops* sp. n.

Reitter, 2; Calabria, *Trimium*, *Euplectus*, *Bythinus*, *Tentyria* sp. n.

Fiori, 3; Sicilia, escursione in, *Otiorrhynchus* sp. n.

Ragusa, 1; *Apion* di Sicilia.

Fiori, 4; Sicilia, *Mastigus*.

Pic, 36; Sicilia, *Cantharis* sp. n.

Reitter, 17; Sicilia, *Cisurgus* sp. n.

Reitter, 18; Sicilia, *Epuraea* sp. n.

Solari, 1; Sicilia, *Dichotrachelus* sp. n.

Vitale, 1; Sicilia, *Curculionidae* 6 spp. n.

Dombrowski and **Born, 3**; Ausflug in Südbosnien.

Montandon; Roumania, Catalogue.

Müller, Josef, **5**; Dalmatia, *Cerambycidae* Catalogue.

Apfelbeck; Albanien und Montenegro, 20 spp. n., *Carabidae*, *Bythinus*, *Sphaerosoma*, *Helops*, *Otiorrhynchus*, *Bagous*.

Formánek, 2; Montenegro, *Anillocharis* sp. n.

Bedel, 1; Maroc, Algérie, Tunisie et Tripolitaine, avec notes sur la faune des îles Canaries et de Madère: *Carabidae* 5 spp. n.

Peyerimhoff, 3; Nord-Africa, *Ptenidium* sp. n., *Scopaeus* sp. n.

Deville, Sainte-Claire, **3**; N. Africa, *Hydraena*, synopsis.

Desbrochers, 2; Tangier *Elytrodon*, Algeria *Chaerocephalus* sp. n.

Escalera, 1; Mogador, *Filalia* sp. n., *Anoxia* sp. n.

Portevin, 1; Maroc, *Hydnobius* sp. n.

Lesne, 14; Sahara, *Opilo* sp. n.

Pic, 32; Algérie, petite excursion.

Chobaut, 7; Algérie *Metophthalmus* sp. n.

Bourgeois, 2; Algérie, *Rhagonycha* sp. n.

Peyerimhoff, 3; Algeria, *Euplectus* sp. n., *Atheta* sp. n.

Régimbart, 2; Algérie, *Deronectes* sp. n.

Pic, 15; Algérie et Tunisie, *Ptinidae* list, *Anthicus* 2 spp. n.

Kerremans, 3; Egypt, *Acmaeodera* sp. n.

Bodemeyer; Klein-Asien.

Weise, 3; Asia Minor, *Pachybrachys* sp. n.

Gauckler, 5; Palästina.

Ganglbauer, 2; Erdschias-Dagh, Asia Minor, list, 20 spp. n., *Carabidae*, *Philonthus*, *Trichodes*, *Curimus*, *Tenebrionidae*, *Omophlina*, *Mylabris*, *Pachybrachis*, *Curculionidae*, *Hoplia*.

Pic, 31; Asie mineure *Cyclomias*, Mésopotamie et Egypte *Throscus* spp. n.

Pic, 34; Taurus, *Tetrigus cyprius*.

(**Abeille de Perrin, 3**; Deux espèces de Coléoptères d'Algérie.)

(**Bedel, 6**; Nord de l'Afrique, Catalogue.)

(**Bedel, 7**; Nouveau type de Cléonides.)

(**Bedel, 11**; Coléoptères nouveaux.)

(**Bedel, 12**; Coléoptères européens retrouvés en Barbarie.)

(**Bourgeois, 7**; Nouvelle espèce du genre *Malthodes*.)

(**Bourgeois, 12**; Une nouvelle Lycide.)

(**Demaison**, Ch. Espèces nouvelles d'Asie Mineure.)

(**Deville**, Sainte-Claire, **6**; *Dyschirius* nouveau.)

(**Buysson, du**, H., **6**; Elatérides nouveaux.)

(**Fauvel, 8**; *Geostiba* nouvelle d'Algérie.)

(**Fauvel, 13**; *Platyprosopus* nouveau d'Afrique.)

(**Fauvel, 19**; Trois Staphylinides nouveaux de Barbarie.)

(**Fleutiaux**, Ed., **4**; Elateridae.)

(**Mollandin de Boissy, 2**; *Copris* d'Algérie.)

(**Petri, 3**; Bestimmungs-Tabelle der . . . Gattung *Lixus* Fab. aus Europa und den angrenzenden Ländern.)

(**Peyerimhoff, 8**; *Acidota* et *Cylindropsis* en Algérie).

(**Peyerimhoff, 9**; Coléoptères du Nord-Africain.)

(**Pic, 44**; *Cardiophorus* de Syrie).

(**Pic, 52**; Les *Dasycerus* algériens.)

(**Ragusa, 7**; Coleotteri nuovi o poco conosciuti della Sicilia.

(**Reitter, 26**; Siebzehnter Beitrag zur Coleopterenfauna von Europa und den angrenzenden Ländern *fb.*)

(**Reitter, 30**; Neue . . . in Kleinasien gesammelte Coleopteren.)

(**Stierlin, 2**; Sicile, *Curculionides*.)

(**Vitale, 4**; Sicilia, *Coccinellidi*.)

Hymenoptera.

Forel, 1; Asia Minor and Dobrudscha list, *Camponotus* sp. n.

Tavares, 2; Portugal, *Timaspis* sp. n.

Mercet; Spain, *Gorytes* and *Stizus*, 7 spp. n.

Dusmet, 2; *Coelioxys* of Spain.

Eaton; Burgos, *Aculeata* during eclipse of sun.

Dusmet, 1; Albarracin, Calamoscha and Calatayud, list.

Garcia, Mercet; *Ammophila*, 3 spp. n.

(**Berthoumieu, 3**; Ichneumoniens de l'Espagne.)

Mantero, 1; Isola del Giglio, Catologo, Parte 1, *Chrysididae* and *Aculeata*.

Mantero, 2; Liguria, *Cynipidae* catalogue.

De Stefani Perez, 1; Sicily, *Cynips* sp. n.

Schulz, W. A., **2**; Creta, Catalogue, annotated, *Halictus* sp. n.

Garcia, Mercet; Tangier, *Ammophila* sp. n.

Berthoumieu, 1; Algérie, *Ichneumonidae* 4 spp. n.

Konow, 2; Algeria, *Lophyrus* sp. n.

Surcouf, 1; Littré (Algérie), *Mutilles*.

Kohl, 1; Erdschias-Dagh, Asia Minor, list, 19 spp. n., *Tenthredinidae*, *Ichneumonidae*, *Alastor*, *Apidae*.

Schulz, M. A., **3**; Taurus, *Aulacus* sp. n.

Lepidoptera.

Mendes; Portugal, *Microlep*, Catalogue.

Vieilledent; Setubal, list.

Mabille, 2; Spain, *Caradrina* sp. n., *Ellopia* sp. n., gen. n. aff. *Rhaphiptera*.

Püngeler, 2; Andalusia, *Hadena* sp. n.

Sheldon; Central Spain, excursion.

Chrétien, 2; Guadarrama, *Solenobia* sp. n.

Fountaine; Central Aragon, *Melitaea desfontainii* and *M. aurinia iberica*, (42), Entomologist, 1906.

Jones, A. H.; also **Prout, 1**; Balearic islds., short list.

Costantini; Modenese e Reggiano, 18 varr.

Rostagno; campagna romana, note.

(**Krüger, 1, 2**; Beitrag zur Lepidopteren-Fauna Siciliens.)

Galvagni; Ins. Grado, *Conchylis* sp. n.

Spröngerts; Über Dalmatien nach der Herzegowina und Bosnien, Verzeichniss.

Schawerda; Bosnien und Herzegowina, novelties, Wien Verh. Zool.-bot., Ges., 1906, (650); and **Neustetter**, T.c. (652).

Rebel, 2; Morea Nachtrag 2. 5 spp. n.

Bartel, 1; Algier, *Acidalia* sp. n.

Fountaine; Algeria, Rhopalocera.

Mabille, 2; Algérie, list, *Costalbella*, *Euzophera*, *Ambesa*, *Euschraemon*, sp. n.

Lucas, 3; Tunis, *Lymantria* sp. n.

Walsingham, 2; Egypt, *Stagmatophora* sp. n.

Willcocks; Injurious to the cotton plant in Egypt.

Rebel, 10; Crete and Egypt, *Agrotis*, *Larentia*, *Orsonoba*, *Cochlidion*, 5 spp. n.

(**Blachier, 3**; Lépidoptères du Maroc.)

Graves; Syria, *Rhopalocera*, excursion, (124–126, 149–152), Ent. Rec., 1906.

Rebel, 8; Palästina, *Orsonoba* sp. n.

Gauckler, 1; Palästina, Beiträge zur Lepidopterenfauna.

Rebel, 5; Erdschias-Dagh Asia Minor, list, spp. n., *Polia*, *Dyspessa*, *Lita*, *Rhinosia*, *Megacraspedus*, *Symmoca*, *Scythris*, *Atychia*.

(**Chrétien, 5**; Lépidoptère nouveau, *dg.*)

Trichoptera.

Morton, 4; N.W. Spain, *Adicella* sp. n.

Morton, 3; Sicily, short list.

Lucas, 6; Spain, short list.

Navás, 2; Spain, *Nemopterides* gen. n.

Navás, 1; Italia mer., short list.

Bischof; Erdschias-Dagh Asia Minor, *Neuraptora* s.l., list.

Syria *Ascalaphidae* and *Myrmeleonidae*, *vide* Caucasus, etc.; **Klapalek.**

Diptera.

Becker, 2; *Usia*, revision, with 10 spp. n.

Tavares, 1; Portugal, *Cecidomyiidae* 2 spp. n.

Tavares, 4; Portugal, *Macrolabis* sp. n.

(**Corti, E.**; Alcuni Ditteri del Portogallo.)

Strobl, 1; Spain, 59 spp. n.

Tavares, 8; Spain, *Cecidomyiidae* 3 spp. n.

Kieffer, 9; Italy, *Rhabdophaga* sp. n.

Kieffer and **Cecconi**; Sicily, on *Mangifera indica* at Palermo, *Cecidomyiidae* gen. n.

Becker, 1; Algeria, Tunis and Tangier, *Stratiomyiidae* 7 spp. n., *Bombyliidae* 25 spp. n., *Leptis* sp. n., *Mydasidae* sp. n., *Asilidae* 12 spp. n.

Sack, in **Graeffe**; Tunis, list, *Mulio* sp. n.

Roubaud, 10; Biskra, *Simulium* sp. n.

Neveu Lemaire, 1; Suez, *Taeniorhynchus* sp. n., list of N. African *Culicidae*.

(**Neveu-Lemaire, 3**; *Stegomyia* de Maroc.)

Bischof; Erdschias-Dagh Asia Minor, spp. n., *Tipula*, *Gonia*, *Micropalpus*, *Pseudomintho*, *Platystoma*.

Hemiptera-Heteroptera.

Reuter, 5; Greece, Asia Minor, Syria, Egypt, *Capsidae*, 16 spp. n.

Royer, 2; Majorca list.

Horváth, 5; Biskra and Syria, *Odontotarsus* spp. n.

Horváth, 9; Erdschias-Dagh Asia minor, *Heteroptera* and *Homoptera*, 10 spp. n., *Peribalus*, *Tingis*, *Grypocoris*, *Cyphodema*, *Macrotelus*, *Sthenarus*, *Orgerius*, *Hysteropterum*.

Aphidae.

Del Guercio; Italy, gen. n. near *Vacuna*.

Coccidae.

Leonardi, 1, 3; Valencia botanic garden, *Aonidia* sp. n.

Franceschini; Italia, *Diaspis pentagona*.

Leonardi, 1; Italy, *Aonidiella* sp. n.

Berlese and **Silvestri**; Italy, *Lecanites* gen. n.

Marchal, 3; Algérie, *Lécanides* gen. n., sp. n.

Odonata.

Bentivoglio; Sardinia, list, Annuario Mus. zool. Univ. Napoli, **1**, No. 35, (1–7).

Bentivoglio; Italia meridionale, list, T.c., No. 32, (1–12).

Orthoptera.

Tavares, 6; Portugal, *Phasmidae* of.

Burr; Dalmatia and Montenegro, Entomologist, 1906, (169–172).

Werner, 4; North Africa and Syria, *Blattidae*, *Mantidae*, *Acridiidae*, *Gryllidae* spp. n.

Bolívar, 3; Sahara, *Leptynia* sp. n.

Bolívar, in, **Foureau**; Sahara, *Erenieaphila* sp. n., *Leptynia* sp n.

Werner, 3; Erdschias-Dagh Asia minor, list.

Thysanura and Collembola.

Navás, 6; Spain and Portugal, *Lepisma* and *Ctenolepisma* sp. n.

Pitarque; Saragossa, *Collembola*, list of.

Börner, 4; Kairo, *Cyphoderus* sp. n.

(h.) Caucasus, West and Central Asia.

Coleoptera.

Petri, 2; *Lixus* 2 spp. n.

Semenov, 2; Analecta coleopterologica.

Semenov, 4; *Physetops* sp. n., distribution géographique. (Russ.)

Reitter, 9; Zentr. und Westkaukasus, *Campylus* spp. n.

Casey; Caucasus *Leptacinodes perexilis* sp. n.

Koenig; Caucasus, novelties and localities, *Blaptini* gen. n., *Omophlus* sp. n., *Phytoecia* sp. n.

Semenov, 1; Coleoptera heptopotamica, (3–4), *Badister*, *Leistus* sp. n.

Pic, 28; Perse, Buchara and Thibet, *Malachius*, *Anthicus*, *Kytorrhinus*, *Dorcadion*, spp. n.

Pic, 39; Persia *Cerambycidae* list, *Strangalia* sp. n.

Portevin, 2; Perse, *Silphides*, list.

Sicard, 2; Perse, *Coccinellides*.

Buysson Du, H., **2**; Perse, *Cardiophorus* and *Silesis* sp. n.

Desbrochers, 4; Bagdad, *Sharpia* sp. n.

Ganglbauer, 2; Persia, *Amphicoma* sp. n.

Lesne, 5; Sokotra, *Bostrychidae* 2 spp. n.

Reitter, 11; Baldschuan, *Oedichirus* sp. n.

Pic, 5; Turkestan, *Anthicus* sp. n.

Poppius, 4; Askabad *Pogonus*, Altai *Pterostichus*, spp. n.

(**Choubaut, 12**; Deux Coléoptères nouveaux de l'Arabie.)

(**Fauvel**, A., **7**; Staphylinides nouveaux du Sinaï et de la mer Rouge.)

(**Pic, 47**; Genre *Adoretus*, *ei.*)

Hymenoptera.

Mocsáry, 1; Alai mts., *Coelonites* sp. n.

Kokonyew, 1; Centr. Asia, inc. desert, Gobi, *Vipio* 4 spp. n.

(**Ashmead, 4**; Two new *Mymaridae*, Russian Turkestan.)

Mayr; Jemen, *Ceratosolen* spp. n.

Lepidoptera.

Slevogt, 2; Einige asiatische Lepidopteren.

Püngeler, 3; W. Asia, *Diacrisia* sp. n., Noctuidae 30 spp. n.

Dietze, 1; Kasikoparan and Ordubad, *Eupithecia* 2 spp.

Tschetverikow, Verzeichnis, Küsten des Aral-Sees. (Russ.)

Suschkin; Tarbagataï, *Argynnis*-Form.

Hampson, 1; Aden, *Pyralis* sp. n., *Constantia* sp. n.

Neuroptera.

Klapalek, 1; Persia and Syria, *Myrmeleonidae Ascalaphidae* list.

Diptera.

Becker, 4; Gobi, Tjanschanj, Tibet, *Timia* spp. n.

Giles, 2; North Arabia *Mansonia* sp. n.

Aphaniptera.

Rothschild, N. C., **3**; Ancouza Centr. Asia, *Chaetopsylla* 2 spp. n.

Hemiptera-Heteroptera.

Jakovlev, 3; *Byrsinus*, russo-asiatique, sp. n. (Russ.)

Horváth, 10; Persia, *Mustha* 2 spp. n.

Orthoptera.

Azam, 1; Caucasus, *Forficula* sp. n.

Africa.

Insecta.

Sjöstedt; Kilmandjaro summit, traveller's account.

Balfour, 3; Khartoum, biting and noxious insects other than mosquitoes.

Meunier, 8; Zanzibar, copal Ins., *Hym.* and *Dipt.*

Silvestri, 3; Eritrea, *Eutermes* sp. n. *Termitodiscus* sp. n., *Thaumatoxena* sp. n.

Coleoptera.

Arrow, 3; Trop. Africa, *Passalidae* 7 spp. n.

Bernhauer, 1; *Staphylinidae* 11 spp. n.

Bourgeois, 5; *Lycus* 3 spp. n.

Gestro, 4; *Hispidae* 11 spp. n.

Gestro, 6; *Ichthyurus* 6 spp. n.

Jacoby, 4; *Halticinae* and *Galerucinae* 59 spp. n.

Jacoby and **Clavareau**; *Peploptera* 3 spp. n.

Kerremans, 3; *Buprestidae* spp. n.

Kolbe, 1; *Daemonoplus muizechi* is not African.

Lesne, 5; Trop. Africa, *Micrapate* and *Xylionulus* 2 spp. n.

Lesne, 6; *Sinoxylinae* revision, 14 spp. n.

Lewis, 1; *Histeridae* 3 spp. n.

Lewis, 2; *Histeridae* 5 spp. n.

Nonfried; S. Africa, Angola and Zambesi, 4 spp. n., *Coniopholis*, *Synclitopa*, *Spaarmania*.

Obst, 1; *Anthia* 2 spp. n.

Pic, 17; *Zygia* and *Dinometopus*, spp. n.

Pic, 26; *Idgia*, exotique.

Schenkling, 1; *Cleridae* spp. n.

Schwarz, 3; *Tarsalgus* and *Dicronychus* 4 spp. n.

Sternberg, 1; *Anthia*, *Eccoptoptera*, spp. n.

Arrow, 2; Portuguese W. Africa, *Lamellicornia* 9 spp. n.

Fauvel, 5; Guinée espagnole, *Staphylinidae* 4 spp. n.

Fleutiaux, 2; Africa occ. *Ischiodontus* sp. n.

Gestro, 5; Africa occ.; Catalogue of African *Hispidae*, 16 spp. n.

Griffini, 2; Africa occ. *Lucanidae* list.

Kerremans, 4; Africa occ., list, *Coraebus* and *Agrilus* 5 spp. n.

Lesne, 12; Africa occ., *Bostrychidae* list, 2 spp. n., *Sinoxylon* and *Apate*.

Lewis, 4; Africa occ., *Histeridae* list 9 spp. n.

Olivier, 2; Afrique occ. *Diaphanes* 2 spp. n.

Orbigny, 1; W. Africa *Onthophagus* sp. n.

Pic, 35; Afrique occ. *Silis* 2 spp. n.

Sternberg, 3; W. Africa, *Anthia*.

Weise, 2; Cameroons *Coccinellidae* gen. n.

Weise, 6; Cameroons *Asbecesta* 2 spp. n.

Pangella; Ruwenzori, *Passalidae* sp. n.

Schilsky, 1; Usambara *Mordellidae* 2 spp. n.

Olivier, 4; E. Africa *Luciola* sp. n.

Pic, 33; Afrique or. *Cantharis* 2 spp. n.

Pic, 4; Afrique orientale *Laius*, *Notoxus*, *Formicomus*, *Coryna* sp. n.

Régimbart, 1; Afrique orientale, *Haliplidae*, *Dytiscidae*, *Gyrinidae*, *Hydrophilidae*; 48 spp. n.

Schubert, 1; Deutsch-Ostafrika, *Staphylinidae* 10 spp. n.

Spaeth, 1; ostafrikanischen *Cassiden* 7 spp. n.

Weise, 5; East Africa *Chrysomelidae* and *Coccinellidae*, 24 spp. n.

Grouvelle, 2; Afrique orientale, *Dryopidae*, *Helminthidae*, *Heteroceridae*; 13 spp. n.

Grouvelle, 8; Angola *Nitidulidae* gen. n.

Lesne, 4; Abyssinie et Afrique or. *Bostrychides* et *Clérides*, liste.

Lesne, 15; Abyssinia 4 spp. n.; *Demagogus*, *Heliocopris*, *Onitis*, *Pycnoschema*.

Moser, 2; E. Africa *Pachnoda* sp. n.

Moser, 3; E. Africa *Leucocelis* sp. n.

Casey; S. Africa *Alcocharinae* and *Xantholinini* spp. n.

Distant, 21; S. Africa *Cerambycidae* 6 spp. n. [**Jordan**] S. Africa Cerambycidae 7 spp. n.

Hartmann; Transvaal *Curculionidae* 19 spp. n.

Marshall, G. A. K.; S. Africa *Sciobius* 22 spp. n.

Obst, 2; Sudwest-Afrika *Julodis* 3 spp. n.

Schwarz, 4; Natal *Beliophorus* sp. n.

(**Fairmaire**, L., **3**; Goliathide de l'Ukami.)

(**Fauvel, 14**; *Staphylinidae*.)

(**Fauvel, 20**; Staphylinides nouveaux d'Afrique tropicale.)

(**Lesne, 20**; Bostrychides africains nouveaux.)

(**Orbigny, 2**; *Onthophagides*.)

(**Péringuey**, L. *Cicindele* nouvelle.)

(**Pic, 40**; Malacoderme nouveau.)

Hymenoptera.

Buysson du, R., **5**; East and West Africa, *Masaridae*, *Eumenidae*, *Vespidae*, *Chrysidae*; 10 sp. n.

Du Buysson du, R., **3**; *Vespidae* 3 spp. n.

Kohl, F. F., **2**; Africa incl. S. Africa, 14 spp. n. *Pompilus*, *Nortonia*, *Labus*, *Trypoxylon*.

Schulz, W. A., **3**; Tropical Africa, *Erythropimpla* sp. n., *Acronus* sp. n., *Allodapa* sp. n.

Szépligeti, 1; *Ichneumonidae* spp. n.

Szépligeti, 2; *Braconidae* numerous spp. n.

Enderlein, 5; Fernando Po, *Evania* sp. n.

Enderlein, 6; Guinea *Cardiochiles* sp. n.

Enderlein, 10; Kamerun, *Neostephanus* sp. n.

Kieffer, 4; Afrique occ., n.g. *Proctotrypidae*.

Mayr; Kamerun, Feigen-Insekten, 7 spp. n.

Schulz, W. A., **4**; Fernando Po, *Belonogaster*, *Eumenes*, *Philanthus*, *Cryptochilus*, *Pseudagenia*, *Neotrimorus*, *Atanycolus*, *Platybracon*, *Bucheckerius* gen. n. Ichn., *Henicospilus*, *Cymatoneura*, *Stephanus* spp. n.

Magretti; Eritrea *Mutillidae*, 17 spp. n.

Mocsáry, 1; Africa centr. &c., *Synagris* 2 spp. n.

Brauns; S. Africa, *Fossoria* 10 spp. n.

Brues, 3; Cape Colony, *Proctotrypidae* and *Chalcididae* 10 spp. n.

Cameron, 2; Cape Colony, *Asphragis* sp. n.

Cameron, 4; Natal, *Gabunia* sp. n.

Cameron, 19; Cape Colony, *Dryinus* sp. n.

Cameron, 26; Cape Colony, *Apidae* 3 spp. n., *Ceramius* sp. n., *Oxybelus* sp. n., *Xenolytus* sp. n., *Cariniscutis* sp. n., *Evania* sp. n.

Cameron, 27; Cape Colony, *Bracon* and *Apanteles* sp. n.

Cameron, 28; Cape Colony, *Hymenobosmina* sp. n.

Cameron, 29; S. Africa, *Hym. parasitica* 187 spp. n.

Cameron, 30; S. Africa, *Chrysididae* 6 spp. n.

Enderlein, 9; Capland, *Melecta* sp. n.

(**André, 2**; Mutilles du Transvaal.)

(**Buysson Du**, R., **3**; Espèces nouvelles, *fg.*)

(**Vachal, 5**; Hyménoptères du Congo français.)

Lepidoptera.

Bethune-Baker, 3; *Lycaenidae*, *Hesperiidae*, *Taragama* and *Catephia* spp. n.

Hampson, 1; *Thyrididae* and *Pyralidae* spp. n.

Hampson, 2; *Hydrocampinae* 15 spp. n.

Hampson, 3; *Cucullianae* 9 spp. n.

Lathy, 4; *Rhopalocera* 10 spp. n.

Rothschild and **Jordan, 1**; *Sphingidae* 3 spp. n.

Swinhoe, 2; *Bombyces*, 11 spp. n., *Acollesis* sp. n.

Schultze; Kamerun, *Pseudacraea* sp. n.

Rothschild and **Jordan, 2**; Ashanti, *Sphingidae* 2 spp. n.

Meyrick, 2; Sierra Leone, *Imma* sp. n.

Aurivillius, 9; Congo, *Bombyces* s.l., 6 spp. n.

Niepelt, 1; Kongo, *Euphaedra* sp. n.

Niepelt, 2; Kongo, *Xanthospilopteryx* sp. n.

Rebel, 9; Kongo, *Pseudaphelia* sp. n.

Rothschild, W., **1**; Angola *Bunaea* sp. n.

Rebel, 3; Victoria Nyanza, *Nudaurelia* and *Bunaea* sp. n.

Sharpe; Uganda, *Acraeidae* 2 spp. n.

Bethune-Baker, 2; E. Africa, *Lycaenidae* and *Hesperiidae*, 10 spp. n.

Heyn; Ost-Afrika, *Deilemera* sp. n.

Rebel, 11; Deutsch-Ostafrika *Semioptila* sp. n.

Rebel, 13; Zanzibar, *Neocoenyra* sp. n.

Wichgraf; Hinterland der Delagoa-Bay, *Gastroplakaeis*, *Nudaurelia* sp. n.

Distant, 21; Transvaal, *Hippotion osiris*, and gen. n. *Striphnopterygidae*.

Jordan, 4; Natal, *Aegocera* sp. n.

Lathy, 3; Rhodesia, *Charaxes* sp. n.

Trimen; S. Africa, *Rhopalocera* 2 spp. n.

Trichoptera.

Ulmer, 3; W. Africa and Orange Free State, 3 spp. n.

Neuroptera.

Klapálek, 2; Guinea española, *Dicolpus* sp. n.

Weele, 6; Kamerun, *Planipennia* 4 spp. n.

Enderlein, 19; E. Africa, *Coniopterygidae* 6 spp. n.

Diptera.

Hermann; S. Africa and E. Africa, *Asilidae* 3 spp. n.

Neveu-Lemaire, 1; Afrique tropicale, *Culex* 4 spp. n., *Aëdeomyia* sp. n.; list of African *Culicidae*.

Theobald, 9; Sudan, *Culicidae* sp. n., gen. n.

Grünberg, 2; Tropical Africa, *Tabanidae* 4 spp. n., genn. n.

Surcouf, 2, 3, 4; *Tabanus* 7 spp. n.

Ricardo, 1; *Haematopota* of Africa, 10 spp. n.

Grünberg, 1; Ostafrika, Westafrika, blutsaugende *Muscides* 7 spp. n.

Grünberg, 4; *Oestridae* 2 spp. n.

Stein, 1; *Anthomyiidae*, with many spp. n.

Dudgeon, 2; W. Africa, *Tabanidae* and *Muscidae*, short list.

Roubaud, 6; Sénégal, *Lyperosia* 2 spp. n.

Meijere, de, 1; Cameroons, *Milichia* and *Oscinis* 3 spp. n.

Roubaud, 10; Angola, *Simulium* sp. n.

Austen, 5; Sudan, *Tabanidae* 2 spp. n.

Neveu-Lemaire, 2; Soudan, *Phlebotomus* sp. n.

Theobald, 8; Sudan, *Hippoboscidae* sp. n. (?).

Theobald, 9; Sudan, *Culicidae* 4 spp. n., *Lipoptera* sp. n.

Bezzi, 5; Eritrea, *Orthorrhapha* 28 spp. n.

Adams; Rhodesia, 78 spp. n., *Tabanidae*, *Asilidae*, *Systropus*, *Lonchoptera*, *Syrphidae*, *Pipunculus*, *Sepedon*, *Ortalidae*, *Trypetidae*, *Sapromyzidae*, *Sepsidae*, *Ephydridae*, *Drosophilidae*, *Oscinidae*, *Agromyzidae*, *Borboridae*, *Muscidae*.

(**Theobald, 8**; Mosquitoes of Egypt, the Sudan and Abyssinia.)

Aphaniptera.

Rothschild, N. C., **5**; Khartoum, *Pulex* sp. n.

Jordan and **Rothschild, 1**; *Echidnophaga* 3 spp. n.

Hemiptera.

Bergroth, 4; E. Africa, 5 spp. n: *Pentatomidae, Pyrrhocoridae, Reduviidae.*

Bergroth, 7; Zanzibar, *Halovelia* sp. n.

Breddin, 3; Togo, *Catadipson* sp. n.

Distant, 3; Transvaal, *Taipinga* 2 spp. n.

Distant, 12; Brit. E. Africa, *Eddara* sp. n.

Distant, 20; Sierra Leone, *Oxycarenus* 2 spp. n.

Distant, 13; *Fulgoridae* 4 spp. n.

Distant, 14; S. Africa, *Hermolaus, Antestia* gen. n., *Pephricus*, genn. n. *Heterogastrinae, Piesma, Cerilocus* spp. n.

Distant, 17; S. Africa, *Narina* 2 spp. n., *Fulgoridae* 3 spp. n.

Distant, 15; Abyssinia, *Dictyophara* sp. n.

Distant, 21; Transvaal, *Cicadidae* gen. n.

Bowhill; S. Africa, *Acanthia pipistrelli.*

Horváth, 4; Africa orient., *Plinthisus* sp. n.

Reuter, 3; Kapland, *Capsidae* gen. n.

Kirkaldy, 9; Gold Coast, *Scaphoideus, Oliarus*, sp. n.

Kuhlgatz, 2; Westafrika, *Capsidae* gen. n.

Melichar, 1; *Issides* Monographie, spp. n.

Reuter, 2; Congo, *Helopeltis* sp. n.

Reuter, 7; East Africa, *Capsidae* 16 spp. n.

Reuter, 11; Sierra Leone and S. Africa, *Capsidae* 7 spp. n.

Schmidt, Edmund, **1**; *Fulgoridae* 12 spp. n.

Schouteden 1; Eritrea, *Reduviidae* 2 spp. n.

Schouteden, 2; Abyssinie et pays des Somalis, *Reduviidae* 9 spp. n.

Schouteden, 7; W. Africa, *Toxoptera* sp. n.

Aphidae.

Schouteden, 8; *Aphis* sp. n.

Psocidae.

Enderlein, 13; Deutsch - Ostafrika, *Amphipsocus* sp. n.

Meunier, 1; *Psocidae*, Copal Zanzibar.

Mallophaga.

Kellogg, 7; Transvaal, *Laemobothorium gypsis* sp. n.

Odonata.

Förster, 2; 12 spp. n.

Förster, 3; *Libellen*, Galla u. die Somalilander, Forschungs Südschoa, 14 spp. n.

Martin, 1; Brit. E. Africa, 6 spp. n.

Orthoptera.

Borelli, 5; Ruwenzori *Forficulidae* 4 spp. n.

Shelford, R., **1**; W. Africa, *Blattidae* 3 spp. n.

Brunner and **Redtenbacher**; *Phasmidae*, general work, spp. n.

Bolivar, 1; Africa generally, *Phasgonuridae* spp. n.

Werner, 1; Tropical Africa, *Mantidae* 10 spp. n.

Burr, 2; Guinea española, *Dermaptera* 2 spp. n.

Griffini, 3; Africa occ., *Locustidae*, list, 4 spp. n.

Thysanura.

Escherich, 2; Stanleyville, *Atelura* sp. n.

Madagascar and Mascarene Islands.

Coleoptera.

Bernhauer, 1; *Philonthus* and *Tachinoderus* sp. n.

Chobaut, 1; *Blattivorus* sp. n.

Fairmaire, 2; *Hétéromères* 23 spp. n.

Fleutiaux, 1; *Adelocera* sp. n., *Dulius* gen. n.

Grouvelle, 1; Madagascar, La Réunion, *Nitidulidae* 29 spp. n., *Colydiidae*

22 spp. n., *Cucujidae* 8 spp. n., *Monotomidae* 2 spp. n., *Cryptophagidae* 18 spp. n., *Mycetophagidae* 3 spp. n., *Potamophilidae*, *Dryopidae* and *Helminthidae* 16 spp. n., *Heteroceridae* 6 spp. n.

Lesne, 6; *Sinoxylinae*, revision, 2 spp. n.

Lesne, 7; *Pachyelater* spp. n.

Lewis, 1; *Notolister* sp. n.

Lewis, 2; *Histeridae* 5 spp. n.

Meyer-Darcis; *Polybothris* 2 spp. n.

Pic, 17; Ile Bourbon, *Donaldia* sp. n.

Pic, 33; *Cantharis* sp. n.

Schenkling, 1; *Cleridae* spp. n.

Weise, 4; *Coccinelliden* 4 spp. n.

(**Béguin-Billecocq, 1**; Nouvelle espèce de *Piezotrachelus*.)

(**Béguin-Billecocq, 2**; Espèces nouvelles d'*Apion*.)

(**Béguin-Billecocq, 5**; Apionidae de la région malgache, (134–159).)

(**Fairmaire, 7**; Cicindélides et Carabides nouveaux . . .)

(**Fauvel, 16**; Staphylinides nouveaux . . .)

(**Fleutiaux, 6**; *Sternotomis* de Mohéli.)

(**Fleutiaux, 5**; *Cardiophorus* nouveau.)

(**Grouvelle, 6**; *Laemophloeus* nouveau . . .)

(**Pic, 4**; Coléoptères nouveaux . . .)

Hymenoptera.

Buysson, R. du, **5**; *Parnopes* sp. n.

Enderlein, 8; *Braunsia* sp. n.

Kohl, F. F., **2**; Madagascar, *Phanerotoma* sp. n., Mauritius, *Sceliphron* sp. n.

Krieger; *Theronia* sp. n.

Szépligeti, 1; Nossi-Bé, *Henicospilus* sp. n.

Szépligeti, 2; Nossi-Bé, *Iphiaulax* sp. n.

Lepidoptera.

Bethune-Baker, 2; *Zizera* sp. n.

Hampson, 3; *Empusa* sp. n.

Joannis, 1; Ile Maurice et Iles Comores, 12 spp. n., *Syntomidae*, *Noctuidae*, *Geometridae*, *Pyralidae*.

Neuroptera.

Kolbe, 2; *Palpares* 3 spp. n.

Diptera.

Roubaud, 9; *Simulium* 2 spp. n.

Stein, 1; *Anthomyiidae* 4 spp. n. and Bourbon *Lispa* sp. n.

Meunier, 7; *Toxorrhina* du copal récent.

Ventrillon, 1; *Culex* 2 spp. n.

Ventrillon, 2; *Stegomyia* sp. n.

Ventrillon, 3; *Cellia* sp. n.

Ventrillon, 4; *Culicidae* 2 spp. n., *Pseudoheptaphlebomyia* and *Culex*.

(**Ventrillon, 5**; Culicides nouveaux.)

Hemiptera.

Bergroth, 4; Comoro islds., *Sepina* sp. n., *Callibaphus* sp. n.

Bergroth, 3; Madag. and Comoro Ins., *Pentatomidae* and *Reduviidae* 12 spp. n.

Bergroth, 9; *Coreidae* gen. n., *Agraphopus* sp. n., *Lygaeidae* gen. n.

Bergroth, 10; *Ploeariinae* gen. n.

Reuter, 11; Bourbon, *Sthenarus* sp. n.

Distant, 13; *Fulgorinae* gen. n.

Melichar, 1; *Issides* gen. n., spp. n.

Schmidt, Edmund, **1**; *Pochazoides*, *Phyma*, *Ormenis*, sp. n.

(**Schouteden, 12**; Neue Pentatomiden aus Madagaskar.)

Odonata.

Förster, 2; Réunion und Madagaskar *Pseudagrion* 2 spp. n.

Orthoptera.

Borelli, 4; *Chaetospania* sp. n.

Shelford, R., **1**; *Theganopteryx* sp. n.

Brunner and **Redtenbacher**; *Phasmidae*, general work, spp. n.

Thysanura and Collembola.

Silvestri, 2; *Machiloides* sp. n.

Bosner, 4; Seychelles, *Lepidocyrtus* sp. n.

Asia, Tropical and East.

Insecta.

Matsumura, 5; Tropical insects in Japan; distribution of. (Japanese.)

Coleoptera.

Buchara *vide etiam* Palaearctic.

Schenkling, 1; *Cleridae* spp. n.

Tschitschérine; *Harpalini* de l'Asie orientale, *Amaroschesis*, *Asmerinx*, *Harpalus* spp. n.

Reitter, 1; Chinese Turkestan, *Hydrous* sp. n., Source of the Indus, *Hydrous* and *Rhytinota* spp. n., *Tentyrini* gen. n.

Lewis, 3; India, China, Japan, *Histeridae* 4 spp. n.

Pic, 17; Japon, *Sandalus* and *Trichodesma*; Yunnan, *Phytoecia*; Pondichéry *Malegia* sp. n.

Pic, 22; Yunnan, *Attalus*; "Indes," *Malthodes*; Saigon, *Formicomus*.

Pic, 25; Malabar and Chine, *Pyrochroides* 2 spp. n.

Lesne, 5; India, Burma, Tenasserim, Ceylon, *Bostrychidae* 4 spp. n.

Pic, 33; Indes, Tonkin, Chine, *Telephorides* 18 spp. n.

Lesne, 6; Birmanie, Inde, Tonkin, *Sinoxylinae*, revision, 6 spp. n.

Lewis, 1; India, Burma, Yunnan, *Histeridae*, 3 spp. n., Japan, *Platysoma sibiricum*.

Gestro, 7; India, Ceylon, Burma, Malacca Liou-Kiou ins., *Ichthyurus* 15 spp. n.

Gahan, 1; India, Ceylon and Burma, *Cerambycidae*, descriptive work.

Nonfried; Nepal, Siam, Manipur, Nord-West-Chine, *Lepidiota*, *Schonherria*, *Rhomborrhina*, *Trichius*.

Pic, 16; Pondichéry, *Anthicus* sp. n., Birmania, *Formicomus* sp. n.

Jordan, 2; India, *Anthribidae* 4 spp. n.

Lewis, 2; India, *Apobletes* sp. n.

Maindron, 3; India, *Lasiocera* 2 spp. n.

Moser, 2; India, *Taeniodera* sp. n.

Pic, 18; Inde, *Xamerpus* sp. n.

Pic, 26; Iles Andaman *Macrosiagon*, Indes *Idgia*.

Stebbing, 2; Indian *Lamellicornia*, introductory.

Weise, 7; Ostindien, Zwei neue Hispiden.

Arrow, 3; Assam, *Chilomazus* sp. n.

Maindron, 1; Assam, *Pheropsophus* sp. n.

Pic, 8; Kashmir, *Anthicus* 2 spp. n.

Reitter, 20; Kaschmir, *Laena* 3 spp. n.

Schilsky, in **Küster** and **Kraatz, 2**; Kashmir, *Eulobonya*, *Anaspis*, *Rhynchites* sp. n.

Schubert, 2; Kaschmir, *Staphylinidae* 8 spp. n.

Zang, 3; Kaschmir, *Dorcus* 2 spp. n.

Maindron; Yunnan, *Nebria* sp. n. *Carabus* sp. n.

Moser, 3; Yunnan, *Hybovalgus* sp. n.

Pic, 13; Yunnan, *Idgia* and *Cantharis* sp. n.

Grouvelle, 4; Burma, *Epuraea* 2 spp. n.

Jacoby, 5; Malay penins., list of *Chrysomelidae*.

Jacoby, 6; Malay States, list of *Chrysomelidae*.

Gahan, 2; Selangor and Perak, *Longicorniae* 19 spp. n.

Möllenkamp, 2; Malakka, *Allotopus* sp. n.

Möllenkamp, 3; Perak, *Cyclommatus* sp. n.

Ritsema, 1; Chine, *Helota* sp. n.

Pic, 7; Cochinchine, *Caryoborus* sp. n.

Fleutiaux, 2; Tonkin, *Adelocera* 2 spp. n.

Gestro, 8; Tonkin, *Ichthyurus* 2 spp. n.

Pic, 2; Tonkin, *Silis* sp. n.

Gestro, 4; India, Malacca, Tonkin, *Hispidae* 5 spp. n.

Grouvelle, 3; Cambodia and Yunnan, *Prometopia*, *Microdes* spp. n.

Portevin, 1; Japan, *Silphidae* 8 spp. n., Sikkim *Silphidae* 6 spp. n.

Schilsky, in **Küster** and **Kraatz, 1**: Japan and N. China, *Curculionidae*, *Bruchidae*.

Sicard, 1; Japon central, *Coccinellides.*

(**Aurivillius, 2**; *ed.*)

(**Allard**, P.; *ed.*)

(**Boileau, 2**; *Dorcus* nouveau, *ef.*)

(**Boucomont, 3**; les *Enoplotrupes* et *Geotrupes* d'Asie. . . .)

(**Bourgeois, 14**; Malacodermes et Lymexylonides, *ef.*)

(**Bourgeois, 15**; *Dascillides* et *Malacodermes, ef.*)

(**Bourgeois, 16**; *ed.*)

(**Brenske**, E.; Coléoptères, *ed.*)

(**Brongniart**, Ch.; *Cerambycides, ed.*)

(**Fairmaire, 4**; *Lagriides*, Bornéo.)

(**Fairmaire, 12**; *Coléoptères, ed.*)

(**Fairmaire, 13**; *Longicornes* de Tonkin.)

(**Fauvel**, A., **6**; Staphylinides de l'Hindoustan et de la Birmanie.)

(**Fleutiaux, 7**: *Elateridoe, ef.*)

(**Fleutiaux, 8**; Coléoptères, *ed.*)

(**Grouvelle, 7**; Coléoptères, *ed.*)

(**Lefévre**, Edouard; Coléoptères, *ed* (146–157).)

(**Lesne, 21**; Coléoptères, *ed.*)

(**Maindron, 10**; *Cicindelidae* et *Carabidae* de l'Inde.)

(**Pic, 43**; Coléoptères asiatiques nouveaux, *e.*)

(**Régimbart, 7**; *Coléoptères, ed.*)

(**Tertrin**; *Coléoptères, ed.*)

Hymenoptera.

Cameron, 25; Kashmir, *Gasteruption, Paniscus, Chalcis, Dosytheus, Rhogogaster*, spp. n.

Szépligeti, 1; India, Ceylon, Singapore, Malacca, *Ichneumonidae* spp. n.

Schulz, W. A., **3**; Himalaya *Erythropimpla* sp. n.

Cameron, 23; *Hym. parasitica* and *Tenthredinidae* 33 spp. n.

Cameron, 24; Baluchistan, *Ichneumonidae* 23 spp. n., *Epyris* sp. n.

Forel, 3; Himalaya, Catalogue des fourmis, 1 sp. n.

Cameron, 20; Himalaya, *Ichneumonidae, Larciga* sp. n.

Cameron, 12; Himalaya, *Braconidae* 3 spp. n.

Cameron, 13; India, *Ichneumonidae* 8 spp. n.

Konow, 2; Sikkim and Khasia hills, *Tenthredinidae* 4 spp. n.

Kieffer, 2; India, *Dryinus* and *Gonatopus* sp. n.

Enderlein, 6; Ceylon, *Cardiochiles* sp. n.

Cameron, 33; Ceylon, *Opius* sp. n.

Krieger; Ceylon, *Theronia* sp. n.

Szépligeti, 2; Ceylon, *Rhadinobracon, Bracon*, 2 spp. n.

Enderlein, 5; Malacca *Evania* 2 spp. n

Enderlein, 10; Malacca, *Diastephanus* sp. n.

Bingham, 2; Malay States, list.

Howard, 3; China, *Encyrtidae* gen. n.

Mayr; Tongking, Feigen-Insekten 3 spp. n.

Konow, 5; Tonkin and China, *Tenthredinidae* 2 spp. n.

Perkins, 9; China, *Tomocera* sp. n.

Kohl, F. F., **2**; Japan, China and Ceylon, *Sceliphron* 2 spp. n.

Wheeler, 10; Japan, ants of, 8 spp. n.

Ashmead, 2; Japan *Ichneumonidae* 42 spp. n. *Braconidae* 32 spp. n., China *Pristomerus* sp. n.

Cameron, 7; Japan, *Anomalon* sp. n., *Campoplex* sp. n.

(**Saussure**, H. de, **André**, Em. et **Du Buysson**, R. *Hyménoptères, ed.*)

Lepidoptera.

Moore, 1; Baluchistan, *Parnassius* sp. n.

Afghanistan, *Holcocerus* sp. n. vide **Bang-Haas** in Pal.

Oberthür, 5; Chinese Tibet, *Neptis* 9 spp. n.

Oberthür, 6; Mou-Pin, *Apatura* sp. n.

Elwes, Hampson and **Durrant**; Sikhim and Tibet, spp. n. of *Colias, Callerebia, Lycaena, Anartomorpha, Chloridea, Isochlora, Metalepsis, Episilia, Araeogylla, Camadena, Crambus, Phlyctaenodes, Evergestis, Trochilium, Plutella, Enarmonia.*

Fruhstorfer, 16; *Euthalia* sp. n.

Meyrick, 2: India, Ceylon, Singapore, Andaman islands, China, *Imma* 17 spp. n., Himalaya gen. n. near *Imma*.

Meyrick, 3; Ceylon and Burma, *Micro-Lepidoptera*, incl. *Ornecodidae*, *Pterophoridae*, 76 sp. n.

Swinhoe, 3; India, *Eupterote*, *Borsippa* and *Pyrausta* sp. n.; Perak *Pompelon* and *Vitessa* sp. n.

Swinhoe, 2; Hong Kong *Pandana* sp. n., Singapore, *Euproctis* and *Lymantria* spp. n., Ceylon, *Lymantria* sp. n., Khasia hills, *Egnasia* sp. n.

Hampson, 1: India, Kashmir, Ceylon, Burma, Singapore, China, *Pyralidae* spp. n.; Sikhim, *Thyrididae* sp. n.

Hampson, 2; India, Andaman islds., Ceylon, Malay penins., *Hydrocampinae* 6 spp. n.

Hampson, 3; India, incl. Tibet, Japan, *Cucullianae* 8 spp. n.

Hampson, 4; India, *Noctuidae* 15 spp. n.

Moore, 2; India, *Pierinae* 10 spp. n.

Young, 1, 3; India, plains of, common butterflies.

Swinhoe, 1; India, *Oxaenanus*, *Epiplema*, *Mimomiza*, n. sp., *Pyralidae* spp. n.

Fruhstorfer, 11; Malay penins., *Euthalia* sp. n.

Heylaerts, 2; Tonkin, *Clania* sp. n.

Oberthür, Ch., 3; Annam, *Papilio* sp. n.

Fruhstorfer, 18; Tonkin, Annam and Siam, *Nymphalidae* subspp. n.

Kershaw; China, *Rhopalocera*, illustrated work.

Miyake; Formosa, 6 spp. *Papilionidae* 26 spp., *Nymphalidae* 2 spp., *Pieridae* 6 spp., *Lyccenidae* 5 spp., *Hesperiidae* 4 spp. (Japanese.)

Matsumura, 4; Japan and Formosa, *Euploea*, *Satyrus*, *Pararge*, *Yphthima*, *Aphnaeus*, *Lycaena*, *Parnara* spp. n.

Takano; Asama Mountain, *Rhopalocera*. (Japanese.)

Aigner-Abafi, 6; Lepidopterenfauna Japans. (Ungarisch.)

(**Janet, 4**; *Lepidoptères* de l'Indo-Chine.)

(**Oberthür, 10**; Nouvelle espèce de *Sphingides*, *eb.*)

(**Oberthür, 9**; Nouvelle espèce de *Polycaena*, *eb.*)

(**Poujade**, G. A.; Lépidoptères d'Indo-Chine.)

Trichoptera.

Ulmer, 3; India, N. China and Japan, *Trichoptera* sp. n.; also Verzeichniss der indischen *Trichopt.*

Neuroptera.

Enderlein, 19; Malay States, n. sp. *Coniopterygidae*.

(**Martin, 2**; *Neuropteres*, *ed.*)

Diptera.

Gobi, Tibet, etc., *Timia* spp. n. *vide* W. Asia.

Becker, Th., **4**; *Timia*, Wied.

Kieffer and **Cecconi**; on *Mangifera indica* at Palermo *Cecidomyiidae* gen. n.

Meijere, 2; Ceylon, Singapore, Bombay, *Sepsis* spp. n.; Vorder-Indien, gen. n. *Drosophilidae*.

Ricardo, 1; India, Ceylon, Burma, *Haematopota* 6 spp. n.

Ricardo, 2; Darjiling, *Tabanidae* gen. n.

Kertész, 1; Bombay, *Evaza* sp. n.

Stein, 1; Ceylon, *Lispa* sp. n.

Roubaud, 1; Nippon moyen, *Simulium* 2 spp.

(**Bigot**, J. M. J.; *Diptères* d'Indo-Chine.)

Hemiptera-Heteroptera.

Bergroth, 1; Ceylon *Henicocephalus* sp. n.

Distant, 9; British India, incl. Burma and Ceylon, *Anthocoridae* to *Corixidae*, *Cicadidae*, *Fulgoridae*, many spp. n.

Bergroth, 5; Japan, *Lygaeidae* gen. n.

Breddin, 1; Assam, *Colpura* sp. n.

Breddin, 2; Ceylon and Centr. China, *Dieuches* 3 spp. n.

Distant, 18; Ceylon, *Reduviidae* 12 spp. n.

Distant, 19; Ceylon, *Pentatomidae* and *Lygaeidae* 12 spp. n.; Bombay, gen. n. *Tessaratominae*.

Horváth, 1; Bengal, *Stephanitis* sp. n.

Horváth, 2; Cochinchine, *Tingitidae* gen. n.

Carpenter, 1; Ceylon, *Halobates* sp. n.

Matsumura, 2; Japan, *Hydrocorisae* 13 spp. n.

(**Noualhier**, M. et **Martin**, J.; *Hémipterès, ed.*)

Homoptera.

Distant, 2; N.W. India, *Cicadidae* 2 spp. n.

Distant, 7; China, *Cicadidae* gen. n.

Distant, 11; Cochin China, *Gudaba* sp. n.

Distant, 12; Perak, *Fulgoridae* gen. n.

Distant, 13; Siam, Cambodia, *Fulgoridae* 2 spp. n.

Matsumura, 3; Riukiu, Okinawa, die Hemipteren-Fauna von.

Distant, 15; India and Japan, *Dictyopherinae* 4 spp. n.

Kieffer, 11; Vorder-Indien, *Psyllidae* gen. n.

Melichar, 1; *Issides* Monographie spp. n.

Schmidt, Edmund, **1**; Tonkin, *Euphria* 3 spp. n.; Malacca, *Scamandra* sp. n.

Aphidae.

Pergande; Japan, *Aphidae* 3 spp. n.

Coccidae.

Leonardi, 2; Ceylon, *Fiorinia* 6 spp. n.

Anoplura.

Christophers and **Newstead**; India, *Haematopinus* sp. n.

Psocidae.

Enderlein, 13; Japan, 4 spp. n.

Enderlein, 21; Ceylon, 20 spp. n.; India, 1 sp. n.; Japan, 1 sp. n.

Enderlein, 15; Copeognathen-Fauna Japans, 14 spp. n.

Termitidae.

Desneux, 3; Kashmir.

Odonata.

(**Foerster**, F.; Libellen von Tonkin.)

Orthoptera.

Brunner and **Redtenbachen**; *Phasmidae*, general work, spp. n.

Burr, 6; India, *Anisolabis* sp. n.

Paiva; India, *Periplaneta* sp. n.

Shelford, R., **1**; Bhutan, India, Ceylon, Malay Penins., *Blattidae* 9 spp. n.

Green, 2; Ceylon, *Phylliinae.*

Dohrn, 3; Tonkin, *Hemielimaea* sp. n.

Krausse-Heldrungen; Tonkin, *Gryllacris* sp. n.

Rehn, 6; Tonkin, *Phryganistria, Chondrodera, Anabropsis, Diestrammena* spp. n.

Shiraki, 1; Japan and Formosa, *Blattidae* 7 spp. n.

Matsumura and **Shiraki**; Japan, *Forficulidae* 3 spp. n.

Shiraki, 2; Japan, *Forficulidae* 5 spp. n.

Thysanura and *Collembola.*

Escherich, 2; India, genn. n. Termitophilous.

Silvestri, 2; Tonkin and China, *Machilidae* 3 spp. n.

Börner, 4; Japan, *Collembola* 2 spp. n.

Asiatic Archipelago.

Insecta.

Fruhstorfer, 17; Bawean, Reisebericht auf der Insel.

Banks, 2; Philippines, *Thosea* sp. n., *Coccidae* 6 spp. n.

Coleoptera.

Grouvelle, 4; *Nitidulidae* 22 spp. n.

Schenkling, 1; *Cleridae* spp. n.

Gestro, 4; *Hispidae* 7 spp. n.

Fleutiaux, 2; Java, *Adelocera* sp. n.

Gestro, 7; Java, *Ichthyurus* sp. n.

Lesne, 5; Java, *Xylopsocus* sp. n.

Pic, 16; Java, *Laius* sp. n.

Sternberg, 2; Java, *Xylotrupes* sp. n.

Pic, 25; Java and Sumatra, *Pyrochroa* sp. n.

Pic, 27; Java et Sumatra, *Idgia* 5 spp. n.

Pic, 26; Java, *Balanophorus*; Sumatra and Amboine, *Carphurus*; Manille, *Anthicus*; spp. n.

Bourgeois, 4; Borneo, *Lycides* 7 spp. n.

Lesne, 6; Borneo, *Sinoxylon* sp. n.

Moser, 1; Sarawak, *Dasyvalgus* 2 spp. n.

Arrow, 1; Borneo and Sumatra, *Melolonthidae* 3 spp. n.

Grouvelle, 3; Sumatra and Nias, New Guinea, Key Island; *Leptoglyphus*, *Laemophloeus*, *Europs*, *Mimemodes*, *Bactridium*; 7 spp. n.

Moser, 3; Borneo, Sumatra, New Guinea, *Cetoniidae* 5 spp. n.

Pic, 33; Borneo, Sumatra, Java, Célèbes, *Telephorides* 7 spp. n.

Möllenkamp, 1; Sumatra *Odontolabis* sp. n.

Maindron, 4; Sumatra *Catascopus* sp. n.

Nonfried; Sumatra, *Leucopholis* and *Anomala* sp. n.

Pic, 2; Sumatra, *Discodon* sp. n.

Ritsema, 4; Sumatra, *Coelosterna* sp. n.

Ritsema, 2; West Sumatra, *Helota* sp. n.

Ritsema, 3; Sumatra, *Helota* sp. n.

Grouvelle, 8; Damma ins. *Nitidulidae* gen. n.

Moser, 2; Philippines, Sumatra, New Guinea, *Cetoniidae* 7 spp. n.

Arrow, 3; New Guinea, *Leptaulacides* sp. n.

Arrow, 4; Nova Guinea, *Lucanidae* and *Scarabaeidae*, brief list.

Boileau, 1; New Guinea, *Dorcus* sp. n.

Gestro, 1; New Guinea, *Hispodonta* sp. n.

Fleutiaux, 3; Nova Guinea, *Elateridae*, brief list.

Horn, 10; Nova Guinea, *Cicindelidae*, short list.

Jacoby, 1; New Guinea, *Chrysomelidae* 4 spp. n.

Jacoby, 2; New Guinea, *Aesernia* sp. n.

Jordan, 3; New Guinea, *Xenocerus* sp. n.

Kerremans, 1; New Guinea, *Agrilus* sp. n.

Lesne, 13; Nova Guinea, *Bostrychidae*, brief list.

Lewis, 1; Lombok, New Guinea, *Histeridae*, 2 spp. n.

Lewis, 2; Mentawei Isld., N. Guinea, *Histeridae* 2 spp. n.

Maindron, 2; N. Guinea, *Colpodes* sp. n.

Régimbart, 3; Nova Guinea, *Dytiscidae*, *Gyrinidae* et *Hydrophilidae*, *Dineutes* sp. n.

Schenkling, 2; Nova Guinea, *Languriidae*, *Endomychidae*, brief list.

Schönfeldt, 1; Nova Guinea, *Cetonini* und *Coprini*, *Onthophagus* sp. n.

Schönfeldt, 2; Nova Guinea, *Brenthidae*, *Zemioses* sp. n.

Spaeth, 2; Nova Guinea, *Cassididae*, brief list.

Zang, 4; Nova Guinea, *Passalini* 3 spp. n.

(**Fauvel, 15**; Staphylinides de Nouvelle Guinée.)

Hymenoptera.

Buysson, R. du, **2**; Java, *Chrysis* sp. n.

Kieffer, 5; Java, *Cynipidae* 3 spp. n.

Karawaiew; Java, *Polyrhacis* sp. n.

Mayr; Java, Timor, Feigen-Insekten 9 spp. n.

Enderlein, 5; Java and Sumatra, *Cardiochiles* 3 spp. n.

Konow, 5; Java and Sumatra, *Tenthredinidae* 3 spp. n.

Krieger; Java, Sumatra, Celebes, Ronisld. *Theronia* 5 spp. n.

Kohl, F. F., **2**; Java, *Salius* and *Trypoxylon*, Celebes *Platybracon* spp. n.

Cockerell, 4; Sumatra, *Megachile* sp. n.

Enderlein, 7; Sumatra, *Coelioxys* sp. n.

Cameron, 11; Sumatra, *Cryptinae* gen. n.

Enderlein, 5; Sumatra, *Evania* 3 spp. n.

Szépligeti, 2; Sumatra, *Braconidae Merinotus* gen. n.

Enderlein, 10; Sumatra, *Stephaniidae* 3 spp. n.

Enderlein, 8; Sumatra and Sumba, *Braunsia* 4 spp. n.

Kieffer, 4; Sumatra and Mentawei and N. Guinea, *Prototrypidae* 15 spp. n.

Cameron, 15; Borneo, 18 spp. n.

Cameron, 21; Borneo, *Braconidae* gen. n near *Odesia*.

Szépligeti, 1; Borneo, Celebes, New Guinea, *Ichneumonidae* spp. n.

Schulz, W. A., **3**; Celebes *Erythropimpla* sp. n., *Ampulicinae* gen. n.

Brown, 1; Philippines, Catalogue with *Tachypompilus, Chrysis, Mutilla*, spp. n.

Cameron, 31; New Guinea, *Thynnidae, Scoliidae, Pompilidae, Sphejidae, Vespidae*, 9 spp. n.

Cameron, 32; Nova Guinea, *Hymenoptera aculeata, Chrysid, parasitica, Oryssus* 29 spp. n.

Lepidoptera.

Hampson, 1; Various islands, incl. Christmas Island, *Thyrididae* and *Pyralidae* spp. n.

Hampson, 2; Various islands, *Hydrocampinae* 23 spp. n.

Meyrick, 2; *Imma* 24 spp. n.

Fruhstorfer, 18; *Nymphalidae* varr. n.

Piepers and **Snellen**; Java, *Noctuidae*, short list.

Huwe; Sumatra, Batjan, Dammer Ins., *Sphingidae* 3 spp. n.

Swinhoe, 2; Java, Sumatra and Borneo, *Bombyces* 6 spp. n., *Noctuidae* 6 spp. n.; Java, *Epiplema* sp. n.; Sumatra *Ptochopyle* sp. n.; Gilolo, *Eschata* sp. n.

Swinhoe, 3; Sumatra and Nias isld., *Pendria Deilemera, Asota, Dasychira, Cosmophila, Sypna, Nodaria, Ceratoclasis* and *Loxoneptera* sp. n.; Java, *Dasychira* sp. n.; Borneo, *Borsippa* sp. n.; New Guinea *Vitessa* 2 spp. n.

Fruhstorfer, 8; Batu-Inseln Sumatra, Rhopaloceren 3 spp. n.

Dohrn, 1; Sumatra and Borneo, *Chalcosiidae*, new forms, *Heteropan* sp. n.

Shelford, R., **3**; Borneo, annotated catalogue, *Nymphalinae* and *Lemoniidae*; *Athyma* sp. n.

Swinhoe, 1; Borneo, *Saroscelis* sp. n. and *Isocentris* sp. n.; Sumatra, *Agathodes* sp. n. and *Pachyzancla* sp. n.

Weymer, 2; Celebes *Antheraea* sp. n.

Heylaerts, 2; Philippines, *Clania* sp. n.

Fruhstorfer, 19; Luzon, *Athyma* sp. n.

Rebel, 9; Obi, *Troides* sp. n.

Bethune-Baker, 1; British New Guinea, *Lycaenidae* 7 spp. n.

Bethune-Baker, 3; New Guinea, *Oxybadistes* sp. n.

Bethune-Baker, 4; British New Guinea, *Noctuidae* 300 spp. n.

Warren, 2; British New Guinea, *Drepanulidae, Thyrididae, Uraniidae, Geometridae*, many spp. n.

Hering; Fergusson island, *Desmia* sp. n.

(**Fruhstorfer, 20**: Neue *Taenaris*-Formen und Uebersicht der bekannten.)

Trichoptera.

Ulmer, 3; Java, Borneo, Celebes, New Guinea, spp. n.

Neuroptera.

Weele, 2; *Sialiden, Chauliodes* sp. n., Sumatra.

Weele, 4; Java and Sumatra, *Chauliodes* 2 spp. n.

Diptera.

Banks, C. S., **3**; Philippines, *Culicidae* n. gen.

Banks, C. S., **4**; Philippine *Culicidae*, new species.

Ludlow, 3; Philippines, *Toxorhynchites* sp. n.

Ludlow, 5; Philippines, *Anopheles* sp. n.

Kertész, 2; New Guinea, *Heteroneurides* gen. n.

Meijere, 6; Nova Guinea, *Diptera* 17 spp. n.

Meijere, De, 2; New Guinea, *Sepsis, Antineura, Oscinis* spp. n.; gen. n. *Drosophilidae*; Bali *Philocompus* sp. n.

Hemiptera-Heteroptera.

Bergroth, 8; Java, *Colpura* sp. n., *Veledella* sp. n., *Reduviidae* gen. n.; New Guinea, *Physoderes* sp. n.

Breddin, 2; Java and Sumatra, *Dieuches* 2 spp. n.

Breddin, 1; Java, Sumatra, *Colpura* spp. n., New Guinea *Brachylybas* sp. n.

Bergroth, 10; Borneo, *Ploeariinae* 2 spp. n.

Distant, 18; Borneo, *Reduviidae* gen. n.

Distant, 19; Borneo, *Serbana*, *Corizus*, *Aphanus*, *Laxamana* sp. n.; Sangir isld., *Eumenotes* sp. n.

Breddin, 5; Celebes, *Heterept.* and *Homopt.* 67 spp. n.

Bergroth, 1; Laut, Celebes, New Guinea, *Henicocephalus* 3 spp. n.

Schouteden, 3; New Guinea, *Pentalomidae* 3 spp. n.

Homoptera.

Breddin, 5; Celebes spp. n.

Melichar, 1; *Issides* Monographie spp. n.

Distant, 12; numerous islands, *Fulgoridae* 6 spp. n.

Schmidt, Edmund, **3**; Java and Sumatra, *Miasa* sp. n.

Schmidt, Edmund, **2**; Sumatra, *Sialoscarta* 2 spp. n.

Schmidt, Edmund, **1**; Sumatra, *Scamandra* sp. n., Waigiu *Myrilla* sp. n.

Schmidt, Edmund, **4**; Sumatra and Borneo, *Membracidae* 2 spp. n.

Distant, 1; Java and Borneo, *Tauna* 2 spp. n.

Distant, 11; Borneo, Sulu Arch., New Guinea, *Cicadidae* 3 spp. n.

Distant, 2; Philippines, *Dokuma* sp. n.

Distant, 15; New Guinea, g. n., near *Dictyophara*.

Psocidae.

Enderlein, 13; Java, *Clematostigma* sp. n.

Enderlein, 17; Sumatra *Myopsocus* sp. n.

Orthoptera.

Brunner and **Redtenbacher**; *Phasmidae*, general work, spp. n.

Dohrn, 3; Sumatra and Philippines, *Phaneropteridae* 4 spp. n.

Hancock, 2; Borneo, *Tettigidae* gen. n.

Ludlow, 2; Philippines, *Salgarea* sp. n.

Shelford, R., **1**; Borneo 15 spp. n., Batchian sp. n., *Blattidae*.

Hancock, 1; Borneo, New Guinea, *Teriginae* spp. n.

Brunner von Wattenwyl and **Redtenbacher**; Nova Guinea, *Phasmidae* list.

Burr, 5; Nova Guinea, *Dermatoptera* 3 spp. n.

Collembola.

Börner, 4; Java, 10 spp. n.

Australia.

Insecta.

Handlirsch, 3; Fossil Insects.

Walker, J. J., **1**; Sydney, sketch of entomology of.

Coleoptera.

Blackburn; *Melolonthides*, partial revision, many spp. n.; *Paphora* spp. n.

Boucomont-Cosme; N. S. Wales, *Bolboceras* sp. n.

Carter, 1; *Stigmodera* sp. n., *Tenebrionidae* 19 spp. n.

Carter, 2; Mount Kosciusko, N.S.W., list.

Lea, 1; *Leptops* 26 spp. n.

Lea, 2; Australia and Tasmania, *Staphylinidae* 22 spp. n., *Paussidae* gen. n., *Inopeplus* sp. n., *Lathridius* 4 spp. n., *Pelonium* sp. n., *Ptinidae* gen. n., *Lemodes* sp. n.

Lea, 3; Queensland, *Lomaptera* 2 spp. n.

Lea, 4; Australia and Tasmania, *Curculionidae* 39 spp. n.

Lesne, 3; Australia, *Xylobosca* 2 spp. n.

Lesne, 5; *Bostrychidae* 6 spp. n.

Möllenkamp, 3; *Metopodontus* sp. n.

Schenkling, 1; *Cleridae* spp. n.

Schwarz, 2; *Elateridae* 18 spp. n.

Sloane, 1; *Cicindelidae*, revision, catalogue, 3 spp. n., and **Sloane, 2**, 2 spp. n.

(**Carter, 4**; New Australian *Coleoptera*.)

(**Lea**, A. M., **5**; Descriptions and notes on Australian *Curculionidae*.)

(**Sloane, 3**; Descriptions and notes on Australian *Carabidae*.)

(**Sloane, 4**; Descriptions and notes on Australian *Carabidae*.)

(**Sloane, 5**; New Australian *Cicindela*.)

(**Sloane, 6**; Australian *Carabidae*, check-list, I.)

Hymenoptera.

Bingham, 1; Queensland, *Braconidae* 4 spp. n., *Chalcididae* 4 spp. n.

Cameron, 3; *Braconidae* 2 spp. n.

Cameron, 5; *Odynerus* sp. n.

Cameron, 9; *Pseudagenia* sp. n.

Cameron, 10; *Ichneumonidae* 5 spp. n.

Cockerell, 1; Australia and Tasmania, *Paracolletes* 6 spp. n.

Cockerell, 5; *Megachile* 15 spp. n.

Cockerell, 7; Australia, *Apidae* 4 spp. n.

Cockerell, 8; Australia and Tasmania, *Halictus* 7 spp. n.

Cockerell, 11; *Apidae*, list of genera.

Froggatt, 1; Catalogue, *Formicidae* of Australasia.

Froggatt, 7; *Megalyra* 9 spp. n.

Kieffer, 5; N. S. Wales, *Cynipidae* 2 spp. n.

Krieger; Australia and Tasmania, *Theronia* 3 spp. n.

Mayr; Neusüdwales, *Pleistodontes* sp. n.

Perkins, 2; *Chalcididae* 15 spp. n., genn. n.

Perkins, 3; *Proctotrypidae* 6 spp. n.

Szépligeti, 1; *Ichneumonidae* 5 spp n.

Szépligeti, 2; Victoria, *Rhogas* sp. n.

(**André, 5**; Un genre nouveau et deux espèces nouvelles de Fourmis . . .)

Lepidoptera.

Localities given by **Tower**, corrections; **Turner**, A. J., **3**.

Hampson, 11; *Pyralidae* spp. n.

Hampson, 3; Victoria, *Cucullianae* sp. n.

Meyrick, 1; Australia and Tasmania *Tineina* 60 spp. n.

Meyrick, 2; Queensland, *Imma* sp. n.

Perkins, 5; Queensland, *Rhopalocera*, notes.

Rothschild, W. **2**; Queensland, *Epipyrops* sp. n.

Swinhoe, 3; Queensland, *Lineopalpa* sp. n.

Turner, A. J., **1**; *Synemon* sp. n., *Bombyces* 9 spp. n., *Noctuidae* 8 spp. n., *Geometridae* 14 spp. n., *Tineidae* 6 spp. n.

Turner, A. J., **2**; *Thyrididae* and *Pyralidae* 3 spp. n.

(**Turner**, A. J., **4**; Australian *Heterocera*, Critical notes and descriptions of new species.

(**Waterhouse** and **Turner**; Australian *Lycaenidae*, notes and descriptions.

Neuroptera.

Enderlein, 19; N. S. Wales, *Coniopterygidae* 6 spp. n.

(**Froggatt, 13**; Descriptions of new species of *Neuroptera*.

Diptera.

Meijere, 2; Sydney, *Sepsis* spp. n.

Perkins, 3; Queensland, *Pipunculus* sp. n.

Roubaud, 10; Victoria, *Simulium* sp. n.

Stein, 1; *Spilogaster* sp. n.

Wandolleck, 1; Queensland, *Ogcodes* sp. n.

Aphaniptera.

Rothschild, N. C., **3**; Tasmania nov. gen.

(**Rainbow**, W. J.; Australian *Siphonaptera*, new spp. and critical notes.)

Hemiptera—Heteroptera.

Bergroth, 6; Yorketown, *Pentatomidae* subfam. n., *Coreidae* subfam. n.

Reuter, 6; Australia and Tasmania, *Capsidae* 8 spp. n.

Reuter, 10; North Australia and Sydney, *Capsidae* 7 spp. n.

Schouteden, 4; *Aphylum* sp. n.

Schouteden, 3; *Pentatomidae* 5 spp. n.

Homoptera.

Distant, 3; gen. n. *Cicadidae.*

Distant, 8; Queensland, *Cyclochila* sp. n.

Distant, 11; S. Australia, *Burbunga* sp. n.

Distant, 12; *Fulgoridae* 6 spp. n.

Distant, 13; *Fulgoridae* gen. n., *Olonia* sp. n.

Distant, 15; *Dictyophara* sp. n.

Kirkaldy, 6; *Jassidae, Membracidae, Cercopidae, Fulgoridae, Eutropistidae, Achilidae, Derbidae, Issidae, Poekillopteridae*; 203 spp. n.

Melichar, 1; *Issides* spp. n.

Coccidae.

Froggatt, 8; Insect fauna of the Kanajong Tree (*Brachychiton populneum*).

Thysanoptera.

Froggatt, 6; Tamworth, *Kladothrips* sp. n.

Psocidae.

Enderlein, 16; Die australischen Copeognathen, Revision, 5 spp. n.

Odonata.

Tillyard, 1; Queensland, *Austrogomphus* 3 spp. n.

Tillyard, 2; Queensland, *Agrionidae* 11 spp. n.

Tillyard, 4; novelties, 3 spp. n.

Orthoptera.

Shelford, R., 1; *Escala* gen. n.

(**Froggatt, 10**; Australian Phasmidae.)

Thysanura.

Silvestri, 2; N. S. Wales, *Machilidae* gen. n.

North America.

Insecta.

Schmitt; Ile d'Anticosti, list.

Fletcher and others; Ottawa, *Lep.* and *Col.*, brief lists, Ottawa, Natural., **20**, (82–86).

Ruthven; Porcupine mountains and Isle Royale, Michigan, Spiders and insects.

Slosson; Alpine region of Mt. Washington.

Brimley, 1; Lake Ellis, North Carolina, excursion.

Hart; Texas winter trip, annotated list, *Orthoptera, Mesochlora, Nemobius* sp. n.

Hine, 6; Louisiana, Entomology of the region of the Gulf biologic station.

†**Handlirsch, 1**; *Palaeodictyoptera, Protodonata, Megasecoptera, Hadentomoidea, Hapalopteroidea, Mixotermitoidea, Protorthoptera, Protoblattoidea, Blattoidea*; new families, genera and species translated from the German.

Handlirsch, 2; Die fossilen Insecten.

†**Wheeler, 14**; Florissant, account of.

Coleoptera.

Tower, 3; Distribution of *Leptinotarsa.*

(**Bourgeois, 13**; Les Lycides du Muséum, *g h.*)

Bernhauer, 4; *Aleocharini* 15 spp. n.

Blaisdell, 1; California, *Lathrotropis, Dasytes* spp. n.. *Tenebrionidae* gen. n.

Casey; *Aleocharinae* and *Xanthoinini* spp. n.

Champion; *Cryptorhynchides* and *Zygopides* spp. n.

Chittenden, 1; *Notaris* sp. n.

Dury, 2; Cincinnati region, 7 spp. n., *Colyphus, Eustrophus, Mordellistena, Halticidae.*

Fall, 1; *Trachykele, Mastogenius, Agrilus* sp. n.

Fall, 2; California, *Platycerus* and *Pleocoma* spp. n.

Fall, 3; *Zygopini* 10 spp. n.

Fall, 4; *Notiophilus*, revision.

Fall, 5; South-west, *Cymatodera* and *Hydnocera* 8 spp. n.

Fiske; N. Carolina, *Paraplinthus* sp. n.

Poppius, 7; North-west. N. America, *Cryobius* spp. n.

Wickham, 2; *Tanarthropsis* 4 spp. n.

Schaeffer, 1; Texas and Arizona, *Chrysomelidae* 31 spp. n.

Schaeffer, 2; Texas and Arizona, *Scirtes* and *Lachnodactyla* spp. n.

Schaeffer, 3; Texas, etc., and Lower California, *Anomala* 4 spp. n.

Schaeffer, 4; *Bradycinetus, Copris, Lachnosterna* spp. n., *Cyclocephalides* gen. n.

Schaeffer, 5; *Pselaphidae* 6 spp. n.

Schaeffer, 6: Southern U. S. and Lower California, *Anthribidae* 16 spp. n.

Schaeffer, 7; Texas and Arizona, *Oncideres* and *Polycesta*, sp. n., *Byrsopolis lanigera*.

Schaeffer, 8; *Ochodaeus* 3 spp. n.

Schaeffer, 9; Arizona and Texas *Conotrachelus* 4 spp. n., *Cryptorhynchus lacteicollis*.

Schwarz, 1; Arizona, Alabama, *Elateridae* 3 spp. n.

Skinner, 7; Texas, *Cantharis* sp. n.

†**Sellards, 3**; Maryland Pleistocene, *Coleoptera*.

Knaus; Various localities, notable captures.

Evans, J. D.; Canada, novelties, long list.

Chagnon; Quebec, *Haltica rufa*, Canad. Entomol., **38**, (8).

Chagnon; Canada, *Piodes coriacea*, withdrawn. Ent. News, **17**, (101).

Dury, 3; Cincinnati, additions.

Blatchley; Indiana, *Platynus quadrimaculatus*, Canad. Entomol., **38**, (267).

Wenzel; Tybee island, Georgia, list. Ent. News, **17**, (38).

Tucker; Texas, list of 85 spp.

(**Fall, 6**; Notes on some Californian *Buprestidae*.)

(**Fall, 7**; Two new species of *Aphodius*.)

(**Skinner, 8**; Descriptions of new Coleoptera.)

[*Hymenoptera.*

Wheeler, 7; United States, tropical ants introduced into.

Viereck, 2; Western United States, *Hymenoptera* generally, 65 spp. n.

Cockerell, 2; New Mexico and Colorado, *Apidae* 11 spp. n.

Cockerell, 3; Colorado, *Andrena, Colletes* and *Halictus*, spp. n.

Cockerell, 4; Texas, Arizona, New Mexico, *Apidae* 8 spp. n.

Cockerell, 6; *Apidae* spp. n.

Cockerell, 9; Texas, *Perdita* 4 spp. n.

Cockerell, 10; Texas, *Perdita* 2 spp. n.

Cockerell, 12; Rocky mts., *Apidae* 5 spp. n.

Cockerell, 13; *Apidae*, Washington State, novelties, 5 spp. n.

Cockerell, 16; Florissant, Colorado, *Apidae* 119 spp., 34 spp. n.

Cockerell, 19; *Anthophoridae*, Catalogue, 9 spp. n.

Cockerell, 20; New Mexico, *Apidae* catalogue annotated, *Xenoglossodes* sp. n.

Lovell and **Cockerell**; Southern Maine, *Anthophoridae, Halictoididae, Macropidae* and *Panurgidae, Melissodes* 2 spp. n.

Cameron, 16; Canada to New Mexico, *Odynerinae* 12 spp. n.

Clarke; Californa, *Dolerus* sp. n.

Crawford, 1; Texas and New Mexico, *Halictus* 5 spp. n.

Crawford, 2; Nebraska and Texas, *Apidae* 3 spp. n.

Crawford, 3; Oregon, etc., *Halictus* 4 spp. n.

Crawford, 4; Nebraska, *Halictus* sp. n.

Swenk, 1; *Colletes* 5 spp. n.

Swenk, 2; *Colletes* 6 spp. n.

Cameron, 14; Vancouver's isld., *Odynerus* sp. n.

Viereck, 1; Connecticut, *Tiphia* and *Odynerus*, spp. n.

Fernald, H. T.; *Chlorioninae* localities sp. n.

Smith, Harry S., **2**; Nebraska, *Larridae* 3 spp. n.

Wheeler, 6; New England, *Formica* sp. n.

Wheeler, 2; Grand Cañon, ants of, 2 spp. n.

Buysson, R. du, **5**; Colorado, *Hedychridium* sp. n.

Bradley; Brit. Columbia, *Blepharipus*, *Spilomena*, *Gonatopus* sp. n.

Brues, 1; Texas, *Anusia* sp. n.

Skinner, 2; Pennsylvania, *Metopius* sp. n.

Girault, 2; Maryland and Ohio, *Telenomus* 2 spp. n.

Perkins, 2; Ohio, *Chalcididae* 3 spp. n.

Girault, 4; Washington, *Eulophus* sp. n.

Howard, 4; *Prospalta* sp. n.

Brues, 4; *Proctotrypidae* 9 spp. n.

Kieffer, 10; *Proctotrypidae* many spp. n.

Bridwell; Kansas, *Odontophyes* sp. n.

Konow, 3; Texas, *Argini* 2 spp. n.

Macgillivray, 2; Connecticut, *Priophorus* sp. n.

Cockerell, 15; Colorado, *Pteronus* sp. n.

†**Brues, 2**; Colorado, fossil parasitic and phytophagous Hymenoptera from Florissant, 9 spp. n.

†**Cockerell, 14**; Florissant, new fossil ant.

†**Cockerell, 18**; Florissant, Colorado, Fossil, *Hymenoptera* 36 spp. n.

†**Cockerell, 17**; Colorado, *Tenthredinidae* 30 spp. n.

Wheeler, 12; New England, list of the *Formicidae*.

Cockerell, 21; localities, *Andrena* spp.

Nason, 1, 2, 3; Algonquin, parasitic Hymenoptera.

(**Buysson, Du**, R., **4**; Hyménoptères.)

(**Cockerell, 30**; three new bees . . .)

(**Cockerell, 32**; new bees . . .)

(**Vachal, 7**; Halictus . . .)

Lepidoptera.

Barnes; Arizona, *Eutricha* sp. n.

Busck, 1; Pennsylvania, *Tineina* 7 spp. n.

Busck, 2; Texas, *Cydia* sp. n.

Busck, 3; Colorado, *Recurvaria* sp. n.

Busck, 5; *Cosmopteryx*, localities, 1 sp. n.

Busck, 6; Southern Texas, *Tineidae* 12 spp. n.

Busck, 7; Arizona and California, *Cerostoma* 4 spp. n.

Busck, 9; *Hemimene* and *Lipoptycha*, 9 spp. n.

Cosens; Canada, *Retinia* sp. n.

Dyar, 1; Colorado, Arizona, Texas, *Pyralidae* 4 spp. n.

Dyar, 2; North American, *Nymphulinae* and *Scopariinae*, monograph, 12 spp. n.

Dyar, 3; North America, *Salebria* and gen. n. affinis, *Eurythmia*, *Eucosma* sp. n.

Dyar, 5; Arizona, *Gloveria*, *Heterocampa*, sp. n.

Dyar, 6; Texas, Arizona, Florida, novelties, *Tolype*, *Apatelodes*, *Schizurae*. *Zeuzera*, *Ravigia*, *Adoncta*, spp. n.

Grossbeck, 1; Arizona, *Monoleuca* sp. n.

Grossbeck, 3; Arizona and California, *Stenaspilates* and *Eucestia* 3 spp. n.

Hampson, 1; Texas, *Aglossa* sp. n.

Hampson, 3; Canada to Arizona, *Cucullianae* 4 spp. n.

Hering; Texas, *Desmia* sp. n.

Pearsall, 2; Utah, Arizona and Texas, *Geometridae* 14 spp. n.

Pearsall, 3; *Nomenia* and *Euchoeca* sp. n.

Pearsall, 4; Eastern U.S., *Philopsia* sp. n.

Skinner, 3; from Texas and Arizona, *Rhescipha*, *Ruscino*, *Cosmosoma*, *Pyrgus*, spp. n.

Skinner, 6; Arizona, *Syntomeida* sp. n.

Smith, John B., **3**; *Noctuidae* 35 spp. n.

Smith, J. B., **4**; *Noctuidae* 18 spp. n.

Stretch; N. America, *Arachnis* sp. n.

Swett, 1; *Caripeta* sp. n.

Swett, 2; *Caripeta* sp. n.

Taylor, 1; Arizona, *Sabulodes* 2 spp. n.

Taylor, 2; Arizona and California, *Geometridae, Melemaea, Hydriomena, Macaria, Euemera, Eupithecia* spp. n.

Taylor, 3; Alberta, *Eupithecia* 4 spp. n.

Taylor, 5; Alberta, *Xanthorhoe* and *Aplodes* sp. n.

Taylor, 7; British Columbia, *Geometridae* 17 spp. n.

Taylor, 8; Ottawa, *Eupithecia* sp. n.

Wright; butterflies of the west coast of the United States 14 spp. n.

Rothschild and **Jordan, 3**; *Papilio* revision with localities.

Cary; Diurnal *Lepidoptera*, Athabaska and Mackenzie region.

Dod; Alberta, N.W.T., *Macrolep.*, annotated list.

Dashwood-Jones; British Columbia novelties (127), Canad. Entomol., **38**.

Croker; Saskatchewan *Rhopalocera*, notes; London, Proc. S. London, nat. hist. Soc., 1906, (1–3).

Heath; Manitoba, captures, 1905, (218–220), Canad. Entomol., **38**.

Taylor; **6**, Canada *Himera pennaria*.

Montreal, *Sphinx luscitiosa*, Canad. Entomol., **38**, (59).

Haight; Temagami lake, Lake Huron, *Noctuidae* and *Geometridae*, list (94–96), Canad. Entomol., **38**.

Fernekes; Milwaukee county, *Lepidoptera*.

Comstock; Keene Valley, N.Y., list.

Cook; Pennsylvania, *Pyrgus centaureae*, Ent. News, **17**, (99).

Skinner; Pennsylvania, *Ophisma tropicalis*.

Pearson; Connecticut, rare catches in, Ent. News, **17**, (70).

Pilate; Ohio, rare *Lepidoptera*, Ent. News, **17**, 1906, (31).

Elrod; Montana, butterflies, nature study bulletin.

Newcomer; Pt. Arena, Cal. *Rhopalocera*, Ent. News, Philadelphia, Pa., **17**, (347–348).

Rivers; Southern California, *Eudamus proteus*.

Trichoptera.

Banks, N., **8**; 26 spp. n.

Neuroptera.

Banks, N., **1**; Virginia. Arizona, and Florida, *Allochrysa, Suphalasca, Panorpa*, sp. n.

Banks, N., **1**; *Raphidia, Chrysopa, Leucochrysa, Eremochrysa, Calinemurus, Maracaudula, Deudroleon, Panorpa, Panorpodes* spp. n.

Banks, N., **9**; *Hemerobiidae*, revision, catalogue, 3 spp. n.

McClendon, 2; Texas, *Brachynemurus* sp. n.

McClendon, 4; Texas, catalogue.

Diptera.

Aldrich, 1; California, *Calotarsa* sp. n.

Coquillett, 2; Illinois, *Tabanus* sp. n.

Coquillett, 3; California, *Culex* sp. n.

Coquillett, 5; North America?, *Janthinosoma* sp. n.

Cresson; The south-west, *Ortalidae* 5 spp. n.

Dyar and **Knab, 1**; *Culicidae* 7 spp. n.

Dyar and **Knab, 2**; 2 spp. n., *Anopheles* and *Mochlostyrax*.

Dyar and **Knab, 3**; *Culicidae* 8 spp. n., [Bahamas 1 sp. n.].

Felt, 3; New York, *Cecidomyiidae* 5 spp. n.

Felt, 10; *Culicidae*, 3 spp. n., *Culicada, Culicelsa, Corethra*.

Grossbeck, 2; New Jersey, *Culex* sp. n.

Hine, 2; Lousiana, *Tabanus* sp. n.

Hine, 3; Colorado *Machimus*, British Columbia *Stilpnogaster* sp. n.

Johnson, 2; Mt. Washington *Leucostola*, Quebec *Argyra* sp. n.

Jones, B. J., California, *Ephydridae* 4 spp. n.

Jones, P. R., Nebraska, *Cuterebra* sp. n.

Ludlow, 1; American mosquito [*Grabhamia nigromaculis*].

Ludlow, 2; Minnesota, *Culex* sp. n.

Ludlow, 3; Alaska, *Theobaldia* sp. n.

Melander, 2; *Empidae* 4 spp. n., genn. n.

Theobald, 7; Mississippi, *Megarkinus* sp. n.

Ainslie; Minnesota, *Chionea valga.*

Washburn; Minnesota novelties.

Washburn; Minnesota short list, Ent. News, **17** (293).

Burgess; Ohio, *Culicidae* list.

Herrick; Mississippi, Mosquitoes, correction. Ent. News, **17** (69).

Hine, 5; Louisiana, *Tabanidae* of.

(**Daecke, 3**; Two new species of Diptera from New Jersey.)

Aphaniptera.

Rothschild, N. C., **8**; Canada, 3 spp. n.

Hemiptera-Heteroptera.

Barber; Southwestern Texas annotated list, *Dendrocoris* sp. n., *Coreidae* gen. n., *Ligyrocoris, Perigines, Poecilocapsus* sp. n.

Bergroth, 2; Alabama and Oregon, *Aradus* 2 spp. n.

Heidemann; Washington, *Corythuca* sp. n.

Van Duzee, 2; *Narnia, Alydus, Jalysus, Peritrechus, Eremocoris, Reduvius*, spp. n; gen. n. *Capsidae.*

†**Cockerell, 27**; Colorado, *Corixa* sp. n.

Bueno, 2; *Cryptocerata* list.

Van Duzee, 1; Ontario, annotated list, *Hemipt. Het.* and *Hom.*

Van Duzee, 3; Adirondack mts. list, *Heteropt.* and *Homopt.*

Homoptera.

Melichar, 1; *Issides* Monographie, spp. n.

Osborn, 1; *Cicada* sp. n.

Osborn, 2; Louisiana, *Cicada* 2 spp. n.

Osborn, 6; New York, *Jassidae* 11 spp. n.

Cockerell, 28; Colorado, fossil *Cicada.*

Johnson, C. W., **3**; New England, *Tibicen septendecim* distribution.

(**Britton, 4,** Some new or little known *Aleyrodidae* . . .)

(**Uhler,** P. R. Recognition of two North American species of *Cicada* Latr.)

Aphididae.

Sanborn, 2 and **3**; N. America, Cat. of *Aphidae*, and host plants, 8 spp. n.

Troop; Indiana, *Aphis* sp. n.

Coccidae.

Ehrhorn; California 7 spp. n.

Woglum; New Jersey and Florida, *Aspidiotus* 2 spp. n.

Cockerell, 25; localities.

Psocidae.

Banks, N., **8**; 5 spp. n.

Enderlein, 14; synonymy.

Mallophaga.

Durrant, 1; Colorado, 3 spp. n.

Durrant, 2; Colorado, *Physostomum* 2 spp. n.

Embiidae.

Banks, N., **8**; *Embia* sp. n.

Termitidae.

Banks, N., **7**; Florida and Arizona, 2 spp. n.

Perlidae.

Banks, N., **8**; *Perla* 3 spp. n.

Banks, 5; Oregon, *Pteronarcys* sp. n.

Banks, 6; United States 5 spp. n.

Odonata.

†**Sellards, 2**; Permian of Kansas gen. n.

Calvert, 1; *Libellulinae*, localities.

Walker, E. M., **2**; Ontario, annotated list of 86 species.

Williamson; Newfoundland, list.

Calvert, 2; New England, list.

Calvert; New England, *Argia apicalis* not to be included. Ent. News, Philadelphia, Pa., **17**, 1906, (31).

Miller; Waterloo Iowa, list.

Brimley, 2; North Carolina, Odonata, corrections of previous records.

Orthoptera.

Bruner, 3; *Acridiides* spp. n.

Caudell, 3; United States, *Cyrtophylli* 4 spp. n.

Hancock, 3; Illinois, *Agencotettix* sp. n.

Morse, 1; Southern States, *Acridiidae* 6 spp. n.

Rehn, 7; Georgia, *Eotettix* sp. n.

Rehn, 8; Utah, *Platybothrus* sp. n.

Rehn and **Hebard**; Montana, Yellowstone Park, Utah, and Colorado, *Trimerotropis* and *Circotettix Podisma*, sp. n.

†**Handlirsch, 1**; Montana, Cretaceous *Blattidae* sp. n.

Walker, E. M., **1**; N.W. Canada, list.

Morse, 4; Porcupine Mountains, Michigan. The ecological relations of the *Orthoptera*.

Morse, 2; New England, *Melanoplus viridipes*.

Morse, 3; New England, *Nemobius palustris*.

Rehn, 10; New Jersey, *Conocephalus lyristes*.

Central America.

Coleoptera.

Arrow, 3; *Passalidae* 3 spp. n.

Casey; Mexico to Panama, and Lower California, *Aleocharinae*, *Xantholinini*, spp. n.

Champion; *Cryptorhynchides* and *Zygopides*, many spp. n.

Desbrochers, 9; Costa Rica, n. g. *Cholides*.

Fall, 5; Lower California, *Cymatodera* sp. n.

Gounelle, 3; Guatemala, *Taurolema* sp. n.

Grouvelle, 3; Costa Rica, *Colastus* sp. n.

Heller, 1; Costa Rica and Nicaragua, *Curculionidae* 7 spp. n.

Jacoby, 3; Costa Rica and Mexico, *Asphaera* sp. n., *Oedionychis* 3 spp. n.

Jordan, 6; *Anthribidae* spp. n.

Kerremans, 3; Mexico, *Buprestidae* spp. n.

Kolbe, 1; Mexico and Guatemala, *Daemonoplus* 2 spp.

Kolbe, 4; *Strategus* 3 spp. n.

Lesne, 5; Mexico, *Psoa* sp. n.

Lesne, 10; *Micrapate* 5 spp. n.

Pic, 26; Costa Rica, *Macrosiagon* sp. n.

Schenkling, 1; *Cleridae* spp. n.

Schwarz, 1; Chiriqui and San Salvador, *Elateriden* 2 spp. n.

Solari, 3; *Barini* 24 spp. n.

Tower, 3; Mexico, *Leptinotarsa*, distribution, 3 spp. n.

Weise, 9; Nicaragua, *Hispidae*, list, 2 spp. n.

Lower California, *Anomaea* vide N. America, **Schaeffer, 3**; *Buprestidae* spp. n., **Fall, 6**; *Brachytarsus* sp. n., **Schaeffer, 6**; *Chrysomelidae*, **Schaeffer, 1**.

Hymenoptera.

André, 1; Costa Rica, Guatemala, *Ephuta* 2 spp. n.

Ashmead, 3; Mexico, *Ctenopyga* sp. n.

Du Buysson, R., **2**; *Apoica* and *Synoeca*, localities.

Cameron, 8; Panama, *Eumenes* sp n.

Cameron, 17; North Mexico, *Odynerus* sp. n.

Cameron, 18; Panama, *Eumenes* sp. n.

Cameron, 22; Panama and Honduras, *Polybia* 2 spp. n.

Crawford, 5; Costa Rica, *Apidae* 7 spp. n.

Fernald, 2; *Chlorioninae*, localities.

Forel, 2; Costa Rica, *Pseudomyrma* sp. n.

Friese, 1; Chiriqui, *Rhathymus* sp. n.

Kieffer, 3; Nicaragua, *Bethylidae* gen. n., 4 spp. n.

Kieffer, 4; Nicaragua, *Proctotrypidae* 8 spp. n.

Kieffer, 10; *Proctotrypidae* many spp. n.

Konow, 3; Guatemala, *Labidarge* sp. n.

Szépligeti, 1; Mexico, *Agrypon* sp. n.

Zavattari, 1; Darien, *Alastor* sp. n.

Zavattari, 2; Darien, San José, *Diploptera* spp. n.

Lepidoptera.

Dognin, 1; Chiriqui, *Nesalcis* sp. n., San Salvador, *Lygropia* sp. n.

Hampson, 1; *Pyralidae* spp. n.

Hampson, 2; *Hydrocampinae* 9 spp. n.

Rothschild and **Jordan, 1**; Costa Rica, *Protambulyx* sp. n.

Rothschild and **Jordan, 3**; *Papilio*, revision, localities and 1 sp. n. from Honduras.

Schaus; *Citheroniidae* 3 spp. n., *Carthara* sp. n., *Noctuidae* 22 spp. n., *Pyralidae* 10 spp. n.

Warren, 1; *Epiplemidae* and *Geometridae* 56 spp. n.

Neuroptera.

Banks, N., **9**; Nicaragua, *Megalomus* sp. n.

McClendon, 1; Mexico, notes on collecting in.

Diptera.

Cresson, Guadalajara, *Pterocalla* sp. n.

Dyar and **Knab, 1**; *Culicidae* 16 spp. n.

Dyar and **Knab, 2**; *Culicidae* 3 spp. n.

Dyar and **Knab, 3**; *Culicidae* 22 spp. n.

Hine, 2; Guatemala and Costa Rica, *Tabanus* 4 spp. n.

Hemiptera.

Breddin, 3; Costa Rica, *Pachycoris* and *Leptoscelis* spp. n.

Bueno, 4; Costa Rica, aquatic *Hemiptera*, list.

Distant, 1; Mexico and Lower California, *Rihana* 2 spp. n.

Distant, 13; Guatemala, *Calyptoproctus* sp. n.

Melichar, 1; Mexico, *Thionia* sp. n., Costa Rica, gen. n. *Issides*.

Psocidae.

Banks, N., **8**; Mexico, *Psocus*, *Chrysopa*, *Leucochrysa* spp. n., Nicaragua, *Wormaldia* sp. n.

Enderlein, 13: Chiriqui, *Ischnopteryx* sp. n.

Odonata.

Calvert, 1; *Libellulinae* spp. n.

Orthoptera.

Borelli, 3: Costa Rica, *Forficulidae* 11 spp. n.

Bruner, 1; Centr. America incl. Lower California, *Acridiides* spp. n.

Bruner, 4; Guatemala, *Orphula*, *Orphulella*, *Arnilia* and *Cornops* spp. n.

Brunner and **Redtenbacher**; *Phasmidae*, monograph, spp. n.

Burr, 1; Mexico, *Neolobophora* sp. n.

Caudell, Guatemala, list.

Hancock, 1; Costa Rica, *Tetriginae* sp. n

Rehn, 2; Costa Rica, *Locustidae* 3 spp. n., *Gryllidae* gen. n.

(**Rehn, 12**; Notes on the Orthoptera of Costa Rica, with descriptions of new species.)

Antilles.

Inclusive of Bahamas and Bermudas. Trinidad *vide* South America.

Coleoptera.

Arrow, 3; *Passalidae* list, Grenada, *Neleides* sp. n.

Casey; Cuba, *Aleocharinae* and *Xantholinini* spp. n.

Desbrochers, 9; Guadeloupe, etc., *Cholides* 2 spp. n.

Kolbe, 4; *Strategus* list.

Lesne, 5; Jamaica and Lesser Antilles, *Bostrychidae* 2 spp. n.

Pic, 1; St. Domingo, *Physcius* sp. n.

Pic, 23; Guadeloupe, *Ptinus* and *Eupactus* sp. n.

Pic, 26; Guadeloupe, *Lobetus* sp. n.

Schwarz, 1; Cuba, *Pyrophorus* sp. n.

Verrill; Dominica, *Dynastes* 2 spp. n.

Hymenoptera.

André, 1; Haiti, *Ephuta* sp. n.

Ashmead, 1; Cuba, *Cryptini* gen. n.

Fernald, H. T.; *Chlorioninae* localities.

Kieffer, 10; Cuba, *Scelio* sp. n.

Wheeler, 3; Bermudas, *Prenolepis* sp. n.

Lepidoptera.

Hampson, 1; Bahamas and Jamaica, *Pyralidae* spp. n.

Hampson, 2; Jamaica, *Hydrocampinae* 6 spp. n.

Hering; Jamaica, *Eudioptis* sp. n., Haiti *Desmia* sp. n.

Kaye, 1; Jamaica, *Chlosyne* sp. n.

Schaus; Cuba, *Caviria* and *Doa* sp. n.

Warren, 1; *Geometridae*, Cuba 14 spp. n., Jamaica 2 spp. n., Santa Lucia 1 sp. n.

Trichoptera.

Ulmer, 3; Jamaica, *Chimarrha* sp. n.

Diptera.

Coquillett, 4; San Domingo, *Stegomyia* 2 spp. n.

Dyar and **Knab, 1**; Bahamas, Cuba, San Domingo, Martinique, *Culicidae* 9 spp. n.

Dyar and **Knab, 3**; *Culicidae*, Bahamas, S. Domingo, Cuba, Jamaica, 6 spp. n.

Grabham, 1; Jamaica, *Corethrella* sp. n.

Grabham, 2; Jamaica, *Culicidae* 3 spp. n.

Grabham, 3; Jamaica, *Culicidae* 4 spp. n.

Wheeler, 13; Porto Rico, *Puliciphora* sp. n.

Hemiptera.

Bergroth, 2; Jamaica, *Mezira* sp. n.

Melichar, 1; Jamaica, *Thionia* sp. n.

Odonata.

Calvert, 1; Porto Rico, *Micrathyria* sp. n.

Orthoptera.

Brunner and **Redtenbacher**; Jamaica, Cuba, *Phasmidae*, general work, spp. n.

Rehn, 3; Bahama Islands, *Orthoptera*, *Euryestis*, *Aphlebia* sp. n., n. gen. *Phasmidae*.

Collembola.

Börner, 4; *Cyphoderus* sp. n.

South America, including Trinidad.

Insecta.

Kieffer and **Herbst**; Chile, galls and gall-insects, *Cecidomyiidae* spp. n.

Coleoptera.

Arrow, 3; *Passalidae* 6 spp. n.

Bernhauer, 2; Staphyliniden 15 spp. n.

Bernhauer, 3; Venezuela, Peru, Bolivia, Brazil, *Staphylinidae* 19 spp. n.

Champion; *Cryptorhynchides*, *Zygopides* spp. n.

Desbrochers, 9; *Cholides*, many spp. n.

Felsche; Paraguay, *Megalosma* sp. n.

Fowler; Peru, *Antichira* sp. n.

Germain and **Kerremans**; Chile *Buprestidae* 9 spp. n.

Gounelle, 1; Argentina, gen. n. *Cerambycides*.

Gounelle, 3; *Hoplistocerus*, *Cyclopeplus*, *Taurolema*, *Gymnocerus* spp. n.

Grouvelle, 8; Argentina, *Nitidulidae* gen. n.

Grouvelle, 3; Amazons and Cayenne, *Perilopa*, *Pseudostelidota*, *Phloeodalis* spp. n.

Grouvelle, 4; Argentina and Paraguay, *Nitidulidae* 3 spp. n.

Hagedorn; *Scolytidae*, *Dryocoetes* and *Xyleborus* 7 spp. n.

Heller, 1; *Curculionidae* 18 spp. n.

Horn, 5; Matto Grosso, *Cicindela* sp. n.

Jacoby, 3; *Homophoeta*, *Asphaera*, *Oedionychis*, about 120 spp. n.

Jensen-Haarup; Mendoza, *Berosus* sp. n.

Kerremans, 3; *Buprestidae* spp. n.

Klages, 2; Venezuela, *Copridae* gen. n.

Kolbe, 1; Colombia, *Daemonoplus mnizechi*.

Kolbe, 4; *Strategus* 3 spp. n.

Lesne, 1; Chaco argentin, *Micrapate* sp. n.

Lesne, 2; Patagonie, *Nyctelia* sp. n.

Lesne, 5; Brazil, *Bostrychidae* 2 spp. n.

Lesne, 6; *Sinoxylinae*, revision, 2 spp. n.

Lewis, 2; Peru, *Lioderma* sp. n.

Maindron, 9; *Carabidae* 10 spp. n.

Olivier, 1; Colombia, *Lucidota* 2 spp. n.

Pic, 1; *Lobetus* and *Macrosiagon* spp. n.

Pic, 2; *Silis*, *Podabrus*, *Discodon* spp. n.

Pic, 14; Mendoza, *Ptinus* sp. n.

Pic, 17; *Spermophagus* and *Maronius* spp. n.

Pic, 26; *Maronius*, *Thisias*, *Trypherus*, *Conomorphus*, *Physcius*, *Anthicus* spp. n.

Pic, 29; *Maronius*, *Lobetus*, *Belotus* 12 spp. n.

Pic, 33; *Telephorides* 28 spp. n.

Pic, 38; Argentina, *Anthicides* 3 spp. n.

Schenkling, 1; *Cleridae* spp. n.

Schwarz, 1; *Elateridae* 72 spp. n.

Solari, 3; *Barini* 9 spp. n.

Weise, 2; Brazil, *Pristonema* sp. n.

Weise, 6; Peru and Bolivia, *Gavirga* 2 spp. n.

Weise, 10; Argentina, Chili, Brazil, *Coccinellidae* 7 spp. n.

(**Boucomont, 2**; Espèce nouvelle de *Bolboceras*.)

(**Fairmaire, 6**; Coléoptères de l'Argentine.)

(**Fairmaire, 8**; Trois coléoptères du Brésil.)

(**Fairmaire, 11**; Coléoptères héteromères de la République Argentine.)

(**Gounelle, 5**; *Coremia* de l'Argentine.)

(**Pic, 42**; *Anthicus* nouveau de l'Amerique méridionale . . .)

(**Théry, 2**; Bupréstides.)

Hymenoptera.

André, 1; *Mutillidae* 19 spp. n.

Brèthes, 1; Argentina, *Eumenidae* 10 spp. n.

Brèthes, 3; Argentina and Paraguay, *Vespidae* and *Eumenidae* 39 spp. n., Brazil, 1 sp. n.

Buysson, R. du, **1**; Mendoza, *Hyménoptères*; *Vespidae*, *Chrysis* sp. n.

Cameron, 8; Amazons, *Polybia* 3 spp. n.

Cameron, 22; Amazons, *Chartergus* and *Polybia* 3 spp. n.

Du Buysson, R., **2**; *Apoica* and *Synoeca*, localities.

Du Buysson, R., **1**; Patagonie, *Pepsis limbata*.

Ducke, 1; Amazons, *Polistomorpha* sp. n.

Ducke, 2; Brazil, *Halictus* spp. n.

Ducke, 7; Brazil, *Vespidae* 5 spp. n.

Ducke, 4; Amazons region, distribution within.

Ducke, 5; Bienen der Amazonasländer.

Ducke, 6; Pará, *Vespidae* 3 spp. n.

Emery, 6; *Atta*, revision, 6 spp. n.

Emery, 7; *Formicidae* 38 spp. n.

Enderlein, 5; Santa Catharina, *Brachygaster* 2 spp. n.

Enderlein, 10; Colombia and Peru, *Stephaniidae* 2 spp. n.

Fernald, H. T.; *Chlorioninae*, localities.

Forel, 2; *Pseudomyrma*, *Cryptocerus*, *Azteca*, *Camponotus*, spp. n.

Friese, 1; *Apidae* 4 spp. n.

Friese, 2; Chile and Argentina, *Apidae* 11 spp. n.

Friese, 3; Chile and Argentina, *Oediscelis* 3 spp. n.

Friese, 4; Argentina, *Caupolicana* and *Ptiloglossa* 4 spp. n.

Friese, 5; Chile and Argentina, *Apidae* gen. n. near *Andrena*.

Kieffer, 1; Argentina, *Cynipidae* sp. n.

Kieffer, 3; Chile, Brazil, *Braconidae*, *Evaniidae*, *Platygasterides* 3 spp.n.

Kieffer, 4; Paraguay and Uruguay, *Proctotrypidae* 2 spp. n.

Kieffer, 5; Brazil, *Cynipidae* sp. n.

Kohl, F. F., **2**; *Pompilus* sp. n., *Nortonia* sp. n.

Konow, 1; *Lophyrini* 26 spp. n.

Konow, 2; *Argini* 42 spp. n.

Mayr; Para and Blumenau, Feigen-Insekten 4 spp. n.

Mocsáry, 1; Asuncion, *Jugurtia* sp. n.

Schrottky, 1; Paraguay, *Evaniidae* 7 spp. n.

Schrottky, 3; Paraguay to Patagonia, *Apidae* 14 spp. n.

Schrottky, 4; Paraguay, *Trigonalidae* gen. n.

Schrottky, 5; Paraguay, *Chalcididae* 2 spp. n.

Schrottky, 8; Paraguay, *Apidae*, *Prosopis* 18 spp. n., *Augochloropsis* sp. n.

Schulz, W. A., **3**; *Ampulicinae* gen. n., *Rhopalosoma* sp. n.

Schulz, W. A., **6**; S. Brazil, *Seminota* sp. n.

Schulz, W. A., **1**; Brazil, *Seminota* sp. n.

Smith, Harry S., **1**; Argentina, *Caupolicana* sp. n.

Szépligeti, **1**; *Ichneumonidae* many spp. n.

Szépligeti, **2**; *Braconidae* many spp. n.

Zavattari, **1**; Argentina, *Caba*; Darien, *Alastor* sp. n.

Zavattari, 2; Darien, Ecuador, *Diploptera* spp. n.

(**Buysson Du**, R., **6**; *Chrysidides* de l'Amerique du Sud.)

(**Vachal**, **4**; *Lonchopria*, n. genre d'*Apidae*.)

(**Vachal, 6**; Voyage de M. G.-A. Baer, Tucuman (Argentine), *Mellifera*.)

Lepidoptera.

Dognin, 1; *Syntomidae*, *Lithosianae*, *Arctianae*, *Geometridae*, *Pyralidae* 50 spp. n.

Dognin, 2; S. Amer., incl. Chile, *Geometridae* 23 spp. n.

Dohrn, 2; Ecuador, *Diamuna* sp. n.

Druce, Herbert, **1**; Trop. S. America (chiefly Peru), *Bombyces* 58 spp. n. and *Euglyphia* sp. n.

Druce, Herbert, **2**; Peru, *Bombyces*, 24 spp. n.

Dyar, **1**; French Guiana, *Semyra* sp. n.

Hampson, 1; *Thyrididae* and *Pyralidae* spp. n.

Hampson, 2; *Hydrocampinae* 6 spp. n.

Hampson, 3; S. Amer., incl. Patagonia, *Noctuidae*, catalogue *Cucullianae* 4 spp. n.

Hering; Brazil, etc., *Desmia*, *Eudioptis*, *Stenoptycha*, *Lineodes* spp. n.

Kaye, 1; Guiana *Rhopalocera* 4 spp. n.

Klages, **1**; Venezuela, *Syntomidae* 27 spp. n.

Lathy, 1; *Heliconius* 3 new forms.

Lathy, **2**; Ecuador, *Pronophila* 2 spp. n.

Mabille, 1; Peru, *Chaerephon* sp. n.

Meyrick, 2; *Imma* 5 spp. n.

Pfitzner, 1; Venezuela *Phassus* sp. n., Peru *Triodia* sp. n.

Rothschild, W., **1**; Paraguay, *Dysdaemonia* sp. n.

Rothschild and **Jordan, 1**; *Sphingidae* 4 spp. n.

Rothschild and **Jordan**, **3**; *Papilio* revision, localities and 7 spp. n.

Schaus; *Bombyces*, *Noctuidae*, *Pyralidae* 113 spp. n.

Spuler; n. gen. *Tineidae* on *Bradypus*.

Stichel, 2; Brasilien, *Brassolis* sp. n.

Warren, 1; *Geometridae* and *Epiplemidae* 228 spp. n.

Weeks, 1; Venezuela, *Ecesia*, *Ithomia*, *Thecla*, *Euselasia*, *Charis*, *Methonella*, *Nymphidium*, *Carystus*, *Pythonides*, *Pamphila* spp. n.

Weeks, **2**; Venezuela, *Hesperiidae* 5 spp. n.

Weeks, **3**; Venezuela, *Adelpha*, *Mesene*, *Nymphidium*, *Ithomia*, *Euselasia*, sp. n., *Hesperiidae* 5 spp. n.

Weymer, **1**; Bogota, *Heliconius* 2 spp. n.

Weymer, **2**; Argentina, *Automeris* sp. n.

(**Dognin, 3**; Papillons nouveaux.)

(**Joannis**, **4**; Lepidoptères nouveaux du Brésil.)

(**Oberthür, 11**; Nouveaux Sphingides.)

(**Thierry Mieg**, **1**; *Lépidopères* nouveaux *hf df*.)

Trichoptera.

Ulmer, 3; Ecuador, Brazil, Patagonia, spp. n.

Neuroptera.

Enderlein, 19; Peru, Chile, *Coniopterygidae* 7 spp. n.

Diptera.

Brèthes, 2; Argentine, *Sarcophaga* sp. n.

Coquillett, 4; Trinidad, *Culicidae* 3 spp. n.

Dyar and **Knab, 1**; Trinidad, Surinam, Ecuador, *Culicidae* 6 spp. n.

Dyar and **Knab, 2**; Trinidad 6 spp. n.

Dyar and **Knab, 3**; Trinidad, *Culicidae* 5 spp. n.

Fiebrig; Paraguay, *Acanthomera* sp. n.

Kieffer, 7; Chile and Colombia, *Ceratopogon*, *Orthocladius*, *Muscidae* gen. n., *Urophora*; spp. n.

Roubaud, 2; Ecuador and Venezuela, *Simulium* 3 spp. n.

Roubaud, 10; Brazil, *Simulium* sp. n.

Tavares, 5; Brazil n. gen. *Cecidomyiidae.*

Aphaniptera.

Jordan and N. C. **Rothschild**; *Hectopsylla* 2 spp. n.

Hemiptera-Heteroptera.

Bergroth, 10; Venezuela *Ploeariinae* 6 spp. n.

Breddin, 3; Manaos and Ecuador and Peru, *Galedanta*, *Nezara*, *Stiretrus*, *Coryzorrhaphis*; spp. n.

Reuter, 9; Venezuela, *Capsidae* 19 spp. n.

(**Bergroth, 11**; Rhynchota neotropica.)

(**Kirkaldy, 13**; Tingides nouveaux on peu connus du Peru.)

Homoptera.

Distant, 2; Brazil, *Cicadatra* sp. n.

Distant, 3; Patagonia, *Tettigades* sp. n.

Distant, 6; Chili, *Tettigades* sp. n.

Distant, 11; Brazil, Argentina, *Cicadidae* 5 spp. n.

Distant, 12; *Fulgoridae* 3 spp. n., *Cicadidae* sp. n.

Distant, 13; *Fulgoridae* 10 spp. n.

Distant, 15; Bolivia, *Cladypha* sp. n.

Melichar, 1; *Issides* Monographie spp. n.

Schmidt, Edmund, **4**; Brazil, Peru, Colombia and Ecuador, *Membracidae* 8 spp. n.

Schmidt, Edmund, **5**; Ecuador, *Diareusa* sp. n.

Coccidae.

Cockerell, 24; Paraguay, *Eriococcus dubius.*

Cockerell, 25; Argentina, *Pseudococcus.*

Leonardi, 1; Matto Grosso, *Hemichionaspis* sp. n.

(**Cockerell, 31**; Three new South American *Coccidae.*)

Psocidae.

Enderlein, 13: Peru and Argentina, 2 spp. n.

Enderlein, 17; Brazil, *Psocidae* 4 spp. n.

Mallophaga.

Kellogg, 5; Argentina, 6 spp. n.

Termitidae.

Holmgren, 2; Peru and Bolivia, Termiten 26 spp. n.

Odonata.

Calvert, 1; *Libellulinae* localities, *Orthemis* sp. n.

Förster, 2; Surinam gen. n.

Orthoptera.

Borelli, 2; Ecuador, *Ancistrogaster* sp. n.

Bruner, 2; Trinidad, 25 spp. n., *Forficulidae*, *Blattidae*, *Mantidae*, *Acridiidae*, *Locustidae*, *Gryllidae.*

Bruner, 3; Paraguay, *Acridiidae* catalogue, 40 spp. n.

Brunner and **Redtenbacher**; *Phasmidae*, general work, spp. n.

Caudell, 1; Paraguay, *Locustidae* 8 spp. n., *Gryllidae* list.

Caudell, 5; Colombia, *Autolyca* sp. n.

Hancock, 1; *Tetriginae* spp. n.

Hancock, 2; Peru *Tettigidae* 2 genn. n.

Rehn, 1; Matto Grosso, *Acridiidae* 10 spp. n.

Rehn, 4; Brazil and Paraguay, *Acridiinae* 6 spp. n.

Rehn, 5; British Guiana, *Blattidae* 4 spp. n., *Angela* sp. n., *Ceroys* sp. n.

Rehn, 9; from the Amazons, *Taxiarchus* sp. n.

Shelford, R., **2**; French Guiana, new symbiotic *Blattid.*

Shelford, R., **1**; *Blattidae* 10 spp. n.

(**Bruner, 5**; two new South American grasshoppers.)

(**Bruner**, 6; two remarkable new Costa Rican locusts.)

(**Rehn**, J., **11**; records of some Paraguayan Orthoptera.)

Thysanura.

Escherich, 2; Pará n. gen., Termitophilous.

Silvestri, 2; French Guiana, *Machilinus* sp. n.

Collembola.

Börner, 4; Brazilien and Argentina 4 spp. n.

Wahlgren, 1; Tierra del Fuego *Collembola* spp. n.

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Oreodicastes gounellei Brasilia, MAINDRON (195) T.c., **sp. n.**

Otoglossa lagenula Brasilia, MAINDRON (202) T.c., **sp. n.**

Paraleirides **subgen. n.** vide *Amara*.

Parastrigia **nom. n.**, pro *Rhathymus* Dej. (83), MAINDRON Paris Bull. Soc. ent. **1906**.

Pheropsophus (*Stenaptinus* subg. n.), *krichna* Assam, MAINDRON (15) T.c., **sp. n.**

Phloeotherates procerus Putz., MAINDRON T.c. (251).—*P. luctuosus* Brasilia, *stricticollis* Peruvia, MAINDRON (196) Paris Ann. Soc. ent. **75, spp. n.**

Platyderus languidus = (*Sphodrus parumpunctatus* Fairm.), BEDEL (91) Paris Bull. Soc. ent. **1906**.—*P. filiformus, insignitus*, Tunisie, BEDEL Cat. rais. Tunisie, **spp. n.**

Platynus (*Europhilus*) *aldanicus*, Lena Valley, POPPIUS (37) Öfvers. F. Vet. Soc. **48** No. 3, **sp. n.**

Poecilus angusticollis Lena Valley, POPPIUS (37) T.c., **sp. n.**

Pogonus angusticollis **sp. n.** Transkaspien, POPPIUS Entomol. Ztg. Wien **25** (213).

Procrustes coriaceus larva, PLANET (11 and 12) Naturaliste 1906.

Pseudobroscus cf. *Broscomimus.*

Pseudocryobius merged in *Cryobius*, POPPIUS (7) Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 5.

Pseudaptinus Cast. = (*Diaphorus* Dej.), MAINDRON (252) Paris Bull. Soc. ent. **1906.**

Pterostichus (*Tapinopterus dochii, latifianus*, Albanien, (1663), **spp. n.** APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. I.—*P.* (*Derulus*) *jacutorum* (1), with var. *angustior* (3), *algidus* (4), **spp. n.**, Siberia; *samojedorum* var. n. *gracilenta* (4); POPPIUS Helsingfors Öfvers. F. Vet. Soc. **47** No. 3.—*P. braudoi* (43), *lenensis* (44), Lena Valley, POPPIUS Öfvers. F. Vet. Soc. **48** No. 3, **spp. n.**—*P. pfizenmayeri* (201), *P.* (*Petrophilus*) *submetallescens* (203), *montivagus* (205), *P.* (*Pseudocryobius*) *herzi* (207), *lamuticus* (208), **spp. n.** E. Siberia, *stuxbergi* subsp. n. *repandus* (208); POPPIUS St. Peterburg Ann. Mus. Zool. Ac. Sci. **10.**—*P.* (*Argutor*) *orcinulus* Reitt. **sp. n.** Altai, POPPIUS Entomol. Ztg. Wien **25** (214).—*P. korbi sublaevicollis* var. n., GANGLBAUER (272) Wien Ann. Hofmus. **20.**—*P. impressicollis* var. n. *fairmairei* (101), *glacialis* var. n. *ambigenus* (119), *phaeopus* var. n. *pedemontanus* (174); DESBROCHERS Frelon **14.**—*P. armenus* Fald. var. n. *tuberculifer* Kaukasus, KOENIG Entomol. Ztg. Wien **25** (23).

Scarites lucida, Beinbildung u. Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27.**

Sphodrus parumstriatus vide *Platyderus languidus.*—*S.* (*Taphoxenus*) *cerberus* Asia Minor, GANGLBAUER (271) Wien Ann. Hofmus **20**, **sp. n.**

Stenaptinus **subg. n.** v. *Pheropsophus.*

Tetragonoderus extremus Tunisie, BEDEL Cat. rais. Tunisie, **sp. n.**

Trechus dayremi Lectoure, DE SAULCY (188) Paris Bull. Soc. ent. **1906, sp. n.**—*Trechus* (*Anophthalmus*) *erebus* Untersteiermark (257), *budae-hercegovinensis* Herzegovina (259), **spp. n.**, KRAUSS Entomol. Ztg. Wien **25.**—*T. wienckei* pl. i, figs. 2 and 6, *antarcticus* Dej. f. 4, ROUSSEAU (20) Résult. Belgica. —*T. merditanus* **sp. n.** Albanien, APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. I. (1663).

Zabrus ganglbaueri **sp. n.** Albanien, APFELBECK Wien SitzBer. D. Ak. Wiss. **115** Abt. I. (1667).—*Z. pentheri* (272), *iconiensis* (273), Asia Minor, GANGLBAUER Wien Ann. Hofmus **20, spp. n.**

The following entries have appeared previously in the Zoological Record.

(*Acroleistus* n. subgen, *Leistus*, REITTER, Entomol. Ztg, Wien, **24**, 1905, (214).)

(*Anisodactylus crongeti* sp. n., PUEL, Paris, Bul. Soc. ent., **1904**, (160).)

(*Anophthalmus hilfi* sp. n., Herzegowina, REITTER, Entomol. Ztg., Wien, **22**, 1903, (212).—*A. ottonis*, Bosnien, REITTER, op. cit., **24**, 1905, (311), sp. n. —*A. bilimeki* subsp. n. *tergestinus*, Nordistrien, Küstenland, MÜLLER, Entomol. Ztg., Wien, **24**, 1905, (32).)

(*Aristodocnus* gen. n. (= *Macrotelus* Chaudoir), MAINDRON, Paris, Bul. soc. ent., **1904**).

(*Calodromius* subgen. n. *Dromius*, REITTER, Entomol. Ztg., Wien, **24**, 1905, (230).)

(*Carenidium purpuratum*, Winton, Queensland, SLOANE, Sydney, N.S.W., Proc. Linn. Soc., **30**, (128), sp. n.)

(*Carenum concinnum*, East Murchison, West Australia, SLOANE, T.c. (117), sp. n.)

(*Clivina doddi* (715), *crebifrons* (717), *atridorsis* (718), Townsville, Queensland, *nigra*, Mulwala, (722), *dingo*, Cairns, (724), *pectonoda*, Townsville, (725), *misella* (727), *pallidiceps*, Mulwala, (728), *cylindripennis*, West Australia, (729), *robusta*, Gosford, (731), *obliquicollis*, West Australia, (732), spp. n.; *ovalipennis* nom. mut., (= *C. ovipennis* Sloane not *C. ovipennis* Chaudoir), (733); SLOANE, T.c.)

(*Crepidopterus favrei*, MAINDRON, (264), Paris, Bul. soc. ent., **1904**, sp. n.)

(*Dromiolus* subgen. n. *Dromius*, REITTER, Entomol. Ztg., Wien, **24**, 1905, (230).)

(*Dromius*, Artübersicht, *angustus bescidicus* var. n., *strigiceps* nom.

n., für *strigifrons* Reitt., *stolzi*, Kroatien, Turkestan, (239), sp. n., *D. conicipennis*, FAUVEL, Rev. ent., Caen, **24**, 1905, sp. n.)

(*Dyschirius fleischeri*, DEVILLE, Paris, Bul. soc. ent., **1904**, (29–30), sp. n.)

(*Euleistulus* subgen. n. *Leistus*, REITTER, Entomol. Ztg, Wien, **24**, 1905, (214).)

(*Eurycalleidos* nom. n., MAINDRON, Paris, Bul. soc. ent., **1905**.)

(*Forcipator* gen. n. (*Oxystonus Latr.*), MAINDRON, *Op. cit.*, **1904**.)

(*Glycia rufolimbata*, MAINDRON, Paris, Ann. soc. ent., **74**, sp. n.)

(*Gynandromorphus* (*Morphogynandrus* subgen. n.) *peyrossi*, Syrie, CARRET, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Harpalini*, Systematik, REITTER, Entomol. Ztg, Wien, **20**, (109–113).)

(*Hypolithus incertus*, MAINDRON, Paris, Ann. soc. ent., **72**, sp. n.)

(*Lachnolebia* nom. n., MAINDRON, Paris, Bul. soc. ent., **1905**.)

(*Laemosthenes cavicola* subsp. n. *romualdi*, Südistrien, MÜLLER, Entomol. Ztg., Wien, **24**, 1905, (32).)

(*Leistophorus* subgen. n., *Leistus*, REITTER, Entomol. Ztg, Wien, **24**, 1905, (213).)

(*Leistus*, Artübersicht, REITTER, T.c. (209–225); *sutomorensis*, Süddalmatien (215), *munganasti*, Arragonien (217), *danieli*, Dalmatien (221), spp. n., *id.*, T.c.)

(*Licinoderus* gen. n., *chobauti* sp. n., Pyrénées, SAINTE CLAIRE DEVILLE, Paris, Bul. soc. ent., **1905**.)

(*Lioscarites* gen. n. (= *Holcogaster Chaud.*), MAINDRON, Paris, Bul. soc. ent., **1904**.)

(*Metabletus xanthomus*, MAINDRON, Paris, Ann. soc. ent., **74**, sp. n.)

(*Manodromius* subgen. n., *Dromius*, REITTER, Entomol. Ztg, Wien, **24**, 1905, (229–239).)

(*Odontocarus propagatur*, Buchara, REITTER, Entomol. Ztg, Wien, **20**, (109–112).)

(*Oreodicastes* gen. n., MAINDRON, Paris, Bul. soc. ent., **1905**.)

(*Philoscaphus bicostatus*, Townville, SLOANE, Sydney, N.S.W., Proc. Linn. Soc., **30**, (114).)

(*Platysphyrus* gen. n., *P. tibialis* sp. n. (711), SLOANE, T.c. (710).)

(*Poecilothois* gen. n., MAINDRON, Paris, Bul. soc. ent., **1905**.)

(*Styphromerus tellinii*, MAINDRON, Paris, Ann. soc. ent., **74**, sp. n.)

(*Teratidium convexum*, Cooktown, *frenchi*, Roebuck Bay, West Australia, SLOANE, Sydney, N.S.W., Proc. Linn. Soc., **30**, (134).)

(*Tachys netuschili* Unterägypten, REITTER, Entomol. Ztg, Wien, **22**, 1903, (173), sp. n.)

(*Trechus* (*Anophthalmus*) *diniensis* sp. n., *diniensis cantus* subsp. n., PEYERIMHOFF, Paris, Bul. soc. ent., **1904**.—*T.* (*Anophthalmus*) *pueli*, CHOBAUT, Paris, Bul. soc. ent., **1904**, (212–214), sp. n.—*T.* (*Anophthalmus*) *roberti*, *escalerae*, ABEILLE DE PERRIN, Paris, Bull. Soc. ent., spp. n.—*T.* (*Anophthalmus*) *jeanneti* ABEILLE DE PERRIN, Paris, Bul. soc. ent., **1905**, sp. n.—*T.* (*Anophthalmus*) *vulcanus* sp. n., *orpheus* var. *subparallelus* var. n., ABEILLE DE PERRIN, Paris, Bul. Soc. ent., **1904**, (198, 199).)

(*Trichocarenum castelnaui*, Roebuck Bay, SLOANE, Sydney, N.S.W., Proc. Linn. Soc., **30**, (123), sp. n. [Carabidae])

HALIPLIDAE.

Peltodytes speratus Kavirondo, RÉGIMBART (235) Paris Ann. Soc. ent. **75**, **sp. n.**

(*Haliplus laminatus* var. n. *punctulatus*, Oesterreich, PENECKE Entomol. Ztg. Wien **20** 1901 (11–21).)

DYTISCIDAE.

Ampoule rectale, BORDAS Paris. C.-R. soc. biol. **61** 1906 (503–505).

Agabus (*Gaurodytes*) *aenescens* (18), *dubiosus* (20), E. Siberja, **spp. n.**; *A. femoralis* var. n. *pallens* (22); POPPIUS Helsingfors Öfvers. F. vet. Soc. **47** No. 16.—*A. affinis*, *unguicularis* distinguished, BROWNE (273–275) plates xii and xiii Ent. Rec. 1906.—*A. fulvaster*, *luteaster* **spp. n.**, Südost-Russland und Nordost-Sibirien, ZAITZEV Rev. russ. ent. **6** (26–28).—*A.* (*Gaurodytes*) *gelidus* Finland, SAHLBERG (15) Helsingfors Medd. Soc. Fauna **32**, **sp. n.**

Anisomera claussi, larva, MJÖBERG (4–6) pl. i f. 1 Uppsala Arkiv. Zool. **3** No. 13.

Bidessus brevistriga Kavirondo, RÉGIMBART (245) Paris Ann. Soc. ent. **75, sp. n.**

Canthydrus alluaudi Nairobi, RÉGIMBART (247) T.c., **sp. n.**

Clypeodytes neumanni Afrique or., RÉGIMBART (242) T.c., **sp. n.**

Copelatus aethiopicus (250), *atrosulcatus* (251), Afrique or., RÉGIMBART T.c., **spp. n.**

Dytiscus punctulatus, early stages, SOPP (50–57) Rep. Lancash. ent. Soc. 1905. — *D. marginalis*, Lebensweise, WANKE Allg. Fischereiztg. München **31** (310, 311).

Herophydrus variabilis Kijabé, RÉGIMBART (238) Paris Ann. Soc. ent. **75, sp. n.**

Hydaticus laeviusculus **sp. n.** Mandshurei, POPPIUS Rev. russ. ent. **6** (58, 59).—*H. rugosus* E. Siberia, POPPIUS (23) Helsingfors Öfvers. F. vet. Soc. **47** No. 16, **sp. n.**

Hydroporus (*Nebrioporus* **subg. n.**) *kilimandjarensis* Africa, RÉGIMBART (236) Paris Ann. Soc. ent. **75, sp. n.**—*H. nobilis* (10), *tomentosus* (12), *punctatissimus* (14), *lenensis* (15), E. Siberia, POPPIUS Helsingfors Öfvers. F. vet. Soc. **47** No. 16, **spp. n.**—*H.* (*Deronectes*) *peyerimhoffi* Algérie, RÉGIMBART (204) Paris Bul. soc. ent. **1906, sp. n.**

Hyphydrus maculiceps, *variolosus*, (239), *nigrovittatus* (240), Afrique or., RÉGIMBART Paris Ann. soc. ent. **75, spp. n.**

Laccophilus pilitarsis (247), *flaveolus*, *productus*, (249), RÉGIMBART T.c., **spp. n.**

Macrodytes delictus **sp. n.** Ost-Sibirien, ZAITZEV Rev. russ. ent. **6** (26–28).

Nebrioporus **subg. n.** vide *Hydroporus*.

Platynectes decempunctatus var., RÉGIMBART (21) Wichmann Nova Guinea **5.**

Rhantus pulverosus in sea-water, CHILTON (63) Wellington Trans. N. Zeal. Inst. **38.**

Siettitia balsetensis Abeille, et la faune aquatique hypogée, JEANNEL Paris Bul. soc. ent. **1906** (98–101) av. fig..

Yola frontalis, *dilatata*, Afrique or., RÉGIMBART (243) Paris Ann. soc. ent. **75, spp. n.**

(*Hydroporus normandi*, RÉGIMBART, Paris, Bul. soc. ent., **1903**, (254–255), **sp. n.**)

(*Dytiscus punctulatus* Fabr. var. n. *exspectata*, PEYERIMHOFF, Paris, Bul. soc. ent., **1905**.)

(*Siettitia* gen. n., *balsetensis* sp. n., ABEILLE DE PERRIN, Paris, Bul. soc. ent., **1904**.)

(**Régimbart**, Maurice. Note sur le *Siettitia balsetensis* Ab., Paris, Bul. soc. ent., **1905**, (252–254).)

GYRINIDAE.

Aulonogyrus flaviventris, *hypoxanthus*, *epipleuricus*, Afrique or., RÉGIMBART (253) Paris Ann. soc. ent. **75, spp. n.**

Dineutes tetracanthus New Guinea, RÉGIMBART (21) Wichmann Nova Guinea **5, sp. n.**

†*Gyrinus sculpturatus*, Sweden, glacial, MJÖBERG (233) f. 1 Stockholm Geol. För. Förh. **27, sp. n.**

Orectogyrus laticostis (254), *rugalifer* (255), *feminalis* (257), *coptogynus*, *erosus*, (258), **spp. n.** ; *leroyi* Rég. varr. n. *nairobensis tavetensis* (256), RÉGIMBART Paris Ann. soc. ent. **75.**

HYDROPHILIDAE.

Berosus engelharti **sp. n.** Mendoza Argentina, JENSEN-HAARUP Kjöbenhavn Ent. Medd. **3** (50–51).—*B. tetracanthus*, *gracilispina*, (264), *subglobosus* (265), *corrugatus* (266), Afrique or., RÉGIMBART Paris Ann. soc. ent. **75, spp. n.**

Cercyon limbicollis Kilimandjaro, RÉGIMBART (270) T.c., **sp. n.**- *C. littoralis*, early stages, MJÖBERG (138) figs. 1 and 2 Zs. wiss. Insektenbiol. **2.**

Coelostoma transcaspicum **sp. n.** Transcaspien ; *orbiculare* varr. n. *puncticolle*, *subaereum* and *nigrinus* ; REITTER Entomol. Ztg. Wien, **25**, (32).

Cyclonotum rubrocinctum Kilimandjaro, RÉGIMBART (269) Paris Ann. soc. ent. **75, sp. n.**

Globaria simplex (268), *seriata* (269), Afrique or., RÉGIMBART T.c., **spp. n.**

Helochares melanophthalmus Reiche, varr. n. *notaticollis* and *curtus* (260), *laeviusculus* Kavirondo **sp. n.** (261); RÉGIMBART T.c.

Helopeltina **nom. n.** for *Helopeltis*, COCKERELL (240) Ent. News **17.**

Hydraena; synopsis des, du nord de l'Afrique, SAINTE-CLAIRE DEVILLE Abeille **30** (283–287).—*H. brevipalpis* (276), *alluaudi*, *kilimandjarensis*, (277), Afrique or., RÉGIMBART Paris Ann. Soc. ent. **75, spp. n.**

Hydrochus albicans Afrique or., RÉGIMBART (273) T.c., **sp. n.**

Hydrophilus aterrimus, eggs, larva, embryology, MEGUŠAR Arch. EntwMech. Leipzig **22** (141–148).—*H.*, female sexual organs, correction, MEGUŠAR Zool. Anz. **30** (494).

Hydrous (*Pagipherus*) *piesbergeni* Salt Range (40), *H. sternitalis* Ostturkestan (41), **spp. n.**, REITTER Entomol. Ztg. Wien **25.**

Megasternum brunneum Kilimandjaro, RÉGIMBART (270) Paris Ann. Soc. ent. **75, sp. n.**

Ochthebius strangulatus (274), *tenuipunctus* (275), *rugulosus* (276), Afrique or., RÉGIMBART T.c., **spp. n.**

Philhydrus alluaudi Afrique or., RÉGIMBART (262) T.c., **sp. n.**

Spercheus crenaticollis (271), *humeralis* (272), Afrique or., RÉGIMBART T.c., **spp. n.**

Sphaeridium obscurum Afrique or., RÉGIMBART (271) T.c., **sp. n.**

Volvulus compressus (267), *obsoletus*, *ellipticus* (268), Afrique or., RÉGIMBART T.c., **spp. n.**

STAPHYLINIDAE.

Agerodes coelestinus Venezuela (324), *punctipennis* (325), *puncticollis* (326), Peru, BERNHAUER Wien Verh. zool.-bot. Ges. 1906, **spp. n.**

Aidochara **gen. n.** near *Aleochara* (145), *planiventris* **sp. n.** San Francisco (146), CASEY St. Louis, Tr. Ac. Sci. **16.**

Aleochara densissima (345), *densiventris* (346), *soror*, *sparsicollis*, (347), **spp. n.**, Californien, BERNHAUER D. ent. Zs. **1906.**

Aleochara gallo-rhénans, (tableau traduit de l'allemand et abrégé des *Aleochara* du Dr. Max Bernhauer), DUBOIS Echange, **22**, (53–55, etc.—*A. pernigra* **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. **1906** (378).—*A. texana* (137), *fusicornis*, *sternalis*, (138), *algonquina* (139), *medialis* (140), *tahoensis*, *kansana*, *pleuralis*, 141), *ellipsicollis*, *americana*, *postpicta*, (142), *montanica*, *collusor*, (143), N. America, CASEY St. Louis Tr. Ac. Sci. **16, spp. n.**

Aleuonota fenyesi **sp. n.** Californien, BERNHAUER D. ent. Zs. **1906** (337).

Amanota **gen. n.** near *Tachyusa* (189), *capensis* **sp. n.** S. Africa (190), CASEY St. Louis Tr. Ac. Sci. **16.**

Amblopusa borealis Queen Charlotte isld., CASEY (355) T.c., **sp. n.**

Amenusa **gen. n.** near *Placusa*, *angustula* **sp. n.** California, CASEY (349) T.c.

Anepsiota terminalis Brit. Columbia, CASEY (340) T.c., **sp. n.**

Anisolinus bicolor Rhodesia **sp. n.**, BERNHAUER D. ent. Zs. Berlin **1906** (189).

Antimerus punctipennis N.S. Wales, LEA (195) pl. xviii f. 1 Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

Apalonia **gen. n.** near *Myrmedonia*, (323), *seticornis* **sp. n.** Florida (324), CASEY St. Louis Tr. Ac. Sci. **16.**

Araeocnemis lauta Panama, CASEY (360) T.c., **sp. n.**

Astilbus cupulifer Biafra, FAUVEL (291) Madrid, Mem. Soc. esp. Hist. Nat. **1, sp. n.**

Atemeles and *Lomechusa*, variation etc., WASMANN (568–571) Biol. Centralbl. **26.**—*A.*, hosts; *A. pratensoides*, habits; *A. paradoxus* var. n. *nigricans* (3); WASMANN Zs. wiss. Insektenbiol. **2** (1–12, 37–43).

Atheta (*Meotica*) *dechorgnati* Alger, DE PEYERIMHOFF (37) Paris Bull. Soc. entom. **1906, sp. n.**—*A.* (*Metaxya*) *shurawskyi* Russia, POPPIUS (311) St. Peterburg Ann. Mus. Zool. Ac. Sci. **10, sp. n.**—*A. occidentalis*, *pasadenae*, (338), *sexualis* (339), *delicata* (340), *luctifera* (341), *dentata* (342), **spp. n.**, Californien, BERNHAUER D. ent. Zs. **1906.**—*A. piceata* **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. **1906** (378).—*A. silesiaca* **sp. n.**

Germany, GERHARDT, D. ent. Zs. Berlin (239–240), and Zs. Ent. Breslau **31** (10–12).

Athetota **gen. n.** for pt. of *Anepsiota*, *atriventris* **sp. n.** Vancouver, CASEY (337) St. Louis Tr. Ac. Sci. **16**.

Atopocentrum **gen. n.** near *Philonthus* (327), *mirabile* **sp. n.** Peru (329) BERNHAUER Wien Verh. zool.-bot. Ges. 1906.

Bamona carolinae (355), *tenuissima* (356), N. America, CASEY St. Louis Tr. Ac. Sci. **16**, **spp. n.**

Baptolinus americanus (426), *quadripennis* (427), *fraternus* (428), N. America, CASEY T.c., **spp. n.**

Baryodma robustula (152), *glenorana*, *uvidula*, *rotundicollis*, (153), *acomana*, *mannerheimi*, (154), *insulana*, *defecta*, (155), *affluens* (156), *imbricata*, *idonea*, *salicola*, (157), *densiventris*, *obsolescens*, (158), *recta* (159), *nitidicollis*, *nanella*, *innocua*, *deserticola*, (160), *minuta* (161), *suffusa*, *acuminata*, (162), N. America, *composita* Mexico (164), CASEY St. Louis Tr. Ac. Sci. **16**, **spp. n.**—*B. bisolata* S. Africa, CASEY (320) T.c., **sp. n.**

Belonuchus angusticollis Peru (330), *moritzi* Venezuela, *ganglbaueri* Bolivia, (331), *longiceps* (332), *frater*, *paradoxus*, (333), *skalitzkyi* (334), *vulneratus* (335), *asperatus* (336), Peru, BERNHAUER Wien Verh. zool.-bot. Ges. 1906, **spp. n.**—*B. semitestaceus* **sp. n.** Usambara, SCHUBERT D. ent. Zs. **1906** (374).

Bledius gracilicornis Eur. Russia, POPPIUS (313) St. Peterburg Ann. Mus. zool. Ac. Sci. **10**, **sp. n.**

Bolitobius distinctus **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. **1906** (381).

Calochara **gen. n.** near *Aleochara*, (149), *rubripennis* **sp. n.** California (150), CASEY St. Louis Tr. Ac. Sci. **16**.

Chilopora americana (306), *fuliginosa* (307), N. America, CASEY T.c., **spp. n.**

Chitalia intricata (234), *granulosa*, *illustris*, (235), *canadensis*, *nigrescens*, (236), *floridana* (237), N. America, CASEY T.c., **spp. n.**

Chlorotusa **gen. n.** near *Myrmedonia*. *megalops* **sp. n.** Texas, CASEY (324) T.c.

Cryptobium opacum (186), *puncticeps* (185), **spp. n.**, Rhodesia, BERNHAUER D. ent. Zs. Berlin **1906**.

Ctenochara **gen. n.** for *Aleochara clavicornis* Redt., CASEY (134) St. Louis Tr. Ac. Sci. **16**.

Dabra termitophila (215), *convexicollis* (216), Australia, LEA Sydney N.S.W. Proc. Linn. Soc. **31**, **spp. n.**

Dasyylossa prospera Er. = (*Oxypoda congruens* Cas.), CASEY (318) St. Louis Tr. Ac. Sci. **16**.

Dialycera bimaculata Asia Minor (578), *minuta* Syria (582), LUZE Wien Verh. Zool.-bot. Ges. 1906, **spp. n.**

Dianusa **gen. n.** near *Silusa*, *pasadenae* **sp. n.** California, CASEY (346) St. Louis Tr. Ac. Sci. **16**.

Dinarda: the variation, WASMANN (565–568) Biol. Centralbl. **26**.

Dinolinus **gen. n.** for *Xantholinus chalybeus* and *rutilus*, CASEY (373) St. Louis Tr. Ac. Sci. **16**.

Diochus brevipennis (431), *thoracicus*, *pallidiceps*, (432), N. America, *astutus* S. Africa (433), CASEY T.c., **spp. n.**

Diplopsis laevipennis Paraguay, BERNHAUER (323) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Ditropalia **gen. n.** for *Bolitochara bella* etc., CASEY (263) St. Louis Tr. Ac. Sci. **16**.

Drusilla cavicollis Alaska, CASEY (322) T.c., **sp. n.**

Drusillota **gen. n.** near *Drusilla*, *polita* **sp. n.** S. Africa, CASEY (321) T.c.

Echochara **gen. n.** for *Rheochara lucifuga* Cas., CASEY (177) T.c.

Emplenota quadrifer, *trilimbata*, California, CASEY (175) St. Louis Tr. Ac. Sci. **16**, **spp. n.**

Ephelinus **nom. n.** for *Ephelis* Fauv., COCKERELL (241) Ent. News **17**.

Eucharina **gen. n.** near *Baryodma* (165), *tibialis*, *rugosa*, (166), *debilicornis*, *cylindrella*, (167), **spp. n.**, N. America, including also *Aleochara sulcicollis* Mann., CASEY St. Louis Tr. Ac. Sci. **16**.

Eucryptusa **gen. n.** for *Silusa nanula* Cas., CASEY (345) T.c.

Euliusa **gen. n.** near *Gnypeta* (215), *majuscula, sparsella,* (217), *elsinorica, transversa,* (218), *mollis* (219), *pimalis citrina,* (220), **spp. n.**, N. America, CASEY St. Louis Tr. Ac. Sci. **16.**

Eumicrota **gen. n.** near *Gyrophaena* (280), *humeralis, texanella,* (282), *melania, pallidula, pinalica,* (283), N. America, *azteca* Mexico, *minutissima, atoma,* N. America, (284), *cornuta* Cuba (285), **spp. n.**, also *G. socia* Er. and *pumila* and *parvula* Shrp., CASEY T.c.

Euromota **gen. n.** near *Homalota, lucida* **sp. n.** Virginia, CASEY (338) T.c.

Eurycnemus **gen. n.** near *Xanthopygus* (190), *imperialis* **sp. n.** Cameroons (191), BERNHAUER D. ent. Zs. Berlin **1906.**

Eurynotida **gen. n.** near *Atheta, ornata,* (343), *arizonica* (344), **spp. n.** N. America, CASEY St. Louis Tr. Ac. Sci. **16.**

Falgaria iowana, ithacana, (247), *subsimilis, texana,* (248), *angulata* (249), N. America, CASEY T.c., **spp. n.**

Falagrioma **gen. n.** for *Falagria thoracica* Curt., CASEY (230) T.c.

Falagriota **gen. n.** near *Falagria* (256), *lucida, asperula, picina,* (257), *evanescens, collaris,* (258), *parvipennis* (259), N. America, **spp. n.**, CASEY T.c.

Gastrisus nitidus Brazil **sp. n.**, BERNHAUER (198) D. ent. Zs. Berlin **1906.**

Gennadota **gen. n.** (308) for *Callicerus puberulus,* and *G. canadensis* **sp. n.** N. America (309), CASEY St. Louis Tr. Ac. Sci. **16.**

Goniusa **gen. n.** for *Euryusa obtusa* Lec., CASEY (348) T.c.

Gnypeta helenae, deserticola, (193), *punctulata, ventralis,* (194), *floridana, bockiana,* (195), *manitobae, brevicornis,* (196), *G.* (*Gnypetoma* **subg. n.**) *incrassata, leviventris,* (198), *oregona, impressiceps,* (199), *curtipennis, abducens,* (201), *shastana* (202), N. America, CASEY T.c., **spp. n.**

Gnypetella **gen. n.** (214), *placidula* **sp. n.** California (215), CASEY T.c.

Gnypetoma **subg. n.** of *Gnypeta,* q.v., CASEY (202) T.c.

Gyrohypnus infumatus, bipartitus, (388), *luteiventris* (389), *melanops* (390), *oregonus, protractus, mollinus,* (392), *gilvipennis* (393), *macilentus, fragilis,* (394), *G.* (*Hypnogyra* **subg. n.**) *vernicatus, micans,* (395), N. America, CASEY T.c., **spp. n.**

Gyrophaena arator Biafra, FAUVEL (290) Madrid Mem. Soc. esp. Hist. Nat. **1, sp. n.**—*G. flavicornis* **sp. n.** Usambara, SCHUBERT D. ent. Zs. **1906** (373).—*G. permutaria* **sp. n.** Kaschmir, SCHUBERT, D. ent. Zs. **1906** (380).—*G. vitrina, flavicornis,* (291), *uteana, gaudens,* (292), *monticola, pacifica,* (293), *lobata, involuta,* (294), *antennalis* and *insolens,* (295), *fuscicollis, modesta, gilvicollis,* (296), *laurana, coniciventris,* (297), *genitiva, sculptipennis,* (298), *subpunctata, lacustris* and var. *inconspicua,* (299), *lactula, rhodana, fustifer,* (300), *centralis, perpolita,* (301), *tenebrosa, subnitens, compacta,* (302), *obesula, micans, egena,* (303), *exilis* (304), N. America, CASEY St. Louis Tr. Ac. Sci. **16, spp. n.**

Habrolinus **gen. n.** near *Leptacinus* (406), *tahoensis* **sp. n.** California (407), CASEY T.c.

Hesperolinus **gen. n.** near *Lithocharodes* (411), *bicolor* (413), *alticola, borealis, pomonae,* (414), *angustus, piceus,* (415), **spp. n.**, N. America, CASEY T.c.

Heteropygus **subgen. n.** cf. *Lampropyus.*

Heterothops nigra, praevia, JOY (199) Ent. Mag. London **42.**

Homalium crassicorne Australia, *parallelum* Tasmania, (212), *xanthorrhoeae* W. Australia (213), LEA Sydney N.S.W. Trans. Linn. Soc. **31, spp. n.**

Homalolinus atronitens Guatemala, CASEY (374) St. Louis Tr. Ac. Sci. **16, sp. n.**

Homalota orbata, GERHARDT Zs. Ent. **31** (13–14).—*H. orbata* and *fungi,* Id. D. ent. Zs. Berlin **1906** (463–464).

Homalotusa **gen. n.** near *Homalota, helenica,* (340), *tahoensis, fuscula,* (341), *pallida* (342), **spp. n.**, N. America, CASEY St. Louis Tr. Ac. Sci. **16.**

Hylota **gen. n.** near *Dasyglossa* (318), *ochracea* **sp. n.** New York (319), CASEY T.c.

Hyperomma pictipes (196) pl. xviii f. 2 Tasmania, *nigrum* W. Australia (197), LEA Sydney N.S.W. Proc. Linn. Soc. **31, spp. n.**

Hypnogyra **subg. n.** cf. *Gyrohypnus.*

Hyptioma **gen. n.**, new tribe of *Xantholinini*, (361), *cubensis* **sp. n.** Havana, (362), Casey St. Louis Tr. Ac. Sci. **16.**

Idiolinus **gen. n.** for *Xantholinus crassicornis* Hochh. Casey (375) T.c.

Lampropygus skalitzkyi Peru, L. (**subgen. n.** *Heteropygus*) *giganteus* Brazil, **spp. n.**, Bernhauer (195) D. ent. Zs. Berlin **1906.**

Lathrobium elongatum var. n. *nigrum*, Joy (271), Ent. Mag. London **42.**—*L. laevipenne*, W. E. Sharp (55) Ent. Mag. London **42.**

Lathrotropis caseyi **sp. n.** California, Blaisdell (71) Ent. News **17.**

Latona montivagans Peru, Bernhauer (323) Wien Verh. Zool.-bot. Ges. 1906, **sp. n.**

Leiolinus **gen. n.** *Xantholinini* (416), *uteanus, tarsalis*, **spp. n.**, N. America, (417), Casey St. Louis Tr. Ac. Sci. **16.**

Leptacinodes **gen. n.** type *Leptacinus batychrus* Gyll. (401), *lustrans* **sp. n.** Colorado (403), *perexilis* Caucasus (404), **spp. n.**, Casey T.c.

Leptacinus rubricollis N. America, Casey (400) T.c., **sp. n.**

Leptagria **gen. n.** near *Falagria* (249), *perexilis* (250), *hudsonica* (251), **spp. n.**, N. America, Casey T.c.

Leptopeltus **gen. n.** near *Anisolinus* (337), *netolitzkyi* (338), *montivagans* (339), Bolivia, **spp. n.**, also *Philonthus flavipennis* Er., Bernhauer Wien Verh. Zool.-bot. Ges. 1906.

Leptusa tricolor, canonica, (351), *semirufa* (352), N. America, Casey St. Louis Tr. Ac. Sci. **16, spp. n.**

Lispinus laevigatus Paraguay **sp. n.**, Bernhauer (193) D. ent. Zs. Berlin **1906.**—*L. lucens* Brasilia, Bernhauer (322) Wien Verh. Zool.-bot. Ges. 1906, **sp. n.**—*L. rivularis* N. S. Wales, Lea (214) Sydney N. S. W. Proc. Linn. Soc. **21, sp. n.**

Lissagria **gen. n.** for part of *Falagria* (252), *fissilis, impressifrons, robusta, minuscula*, (254), *longicollis* (255), **spp. n.**, N. America, Casey St. Louis Tr. Ac. Sci. **16.**

Lissohypnus **gen. n.** near *Gyrohypnus* (398), *texanus* **sp. n.** N. America (399), Casey T.c.

Lithocharodes pallidus Texas, Casey (410) T.c., **sp. n.**

Lophagria **gen. n.** for *Falagria subaenea* Epp., Casey (230) T.c.

Lorinota **gen. n.** near *Stenagria* (238), *caviceps* (240), *pinalica, arizonica*, (241), *fontinalis, acomana*, (242), *tenuicornis* (243), *gracilis, parva*, (244), *bilimbata* (245), **spp. n.**, N. America, Casey T.c.

Macroterma **gen. n.** near *Homalota* (335), *borealis* **sp. n.** White Mts. (326), Casey T.c.

Maseochara decipiens (169), *ponderosa, ruficauda*, (170), *basalis* (171), Casey T.c., **spp. n.**

Medon augur Corsica, Deville (89) Cat. Col. Corse, **sp. n.**

Melagria **gen. n.** for *Falagria nigra* Grav. etc., Casey (230) St. Louis Tr. Ac. Sci. **16.**

Meronera montana (222), *obliqua* (223), N. America, Casey T.c., **spp. n.**

Microlinus **gen. n.** for *Leptolinus pusio* Lec., Casey (419) T.c.

Myrmedonia antennata, fauveli, **spp. n.**, Usambara, Schubert D. ent. Zs. **1906** (371–372).

Nasirema inquilina Iowa, Casey (311) St. Louis Tr. Ac. Sci. **16, sp. n.**

Nematolinus **gen. n.** near *Lithocharodes*, (407), for *longicollis* Lec., Casey T.c.

Neolara cubana Honda, Casey (189) T.c., **sp. n.**

Notaphra and *Myrmoecia* distinguished, Casey (322) T.c.

Notiochara **gen. n.** near *Xenochara*, (134), *subaspera, stibiosa*, **spp. n.**, S. Africa, (135), Casey T.c.

Notolinopsis **gen. n.** near *Xantholinus*, (377), *incultus, latitarsis*, (378), *languidus, capensis, diligens*, (379), **spp. n.**, S. Africa, Casey T.c.

Notolinus **gen. n.** near *Xantholinus*, (375), *grossulus, fumipennis*, (376), *parvus* (377), **spp. n.**, S. Africa, and *hottentotus* Sachse, Casey T.c.

Nudobius nudipennis (381), *phoenicis, arizonicus, pugetanus*, (382), *limbalis*,

corticalis, debilis, luridipennis, (383), *elegantulus,* (384), N. America, CASEY T.c., **spp. n.**

Ocalea grandicollis (305), *franciscana* (306), N. America, CASEY T.c., **spp. n.**

Ocyolinus ganglbaueri, vulneratus, **spp. n.,** Venezuela, BERNHAUER (199) D. ent. Zs. Berlin **1906**.

Ocyusa californica Californien (343), *brevipennis* Massachusetts (344), **spp. n.** BERNHAUER T.c.

Oedichiranus **subgen. n.** vide *Oedichirus.*

Oedichirus (*Oedichiranus* (**subgen. n.** *dimidiatus* **sp. n.** Baldschuan, REITTER Entomol. Ztg. Wien **25** (263).

Oligolinus **gen. n.** for *Metoponcus floridanus* Lec., CASEY (420) St. Louis Tr. Ac. Sci. **16.**

†*Olophrum interglaciale* Sweden, glacial, MJOBERG (493) Stockholm Geol. För. Förh. **26, sp. n.**

Omalium and allies, revision of palaearctic, LUZE Wien Verh. zool. bot. Ges. 1906, (485–602). Synonymical and taxonomical changes intimated in this memoir are not recorded here.

Omalium clavatum Irkutsk (522), *imitator* East Europe (534), *longicorne* Mongolia (543), *blandum* Italia (546), LUZE T.c., **spp. n.**—*O. riparium* larval habits (140), pupa f. 8, MJÖBERG Zs. wiss. Insektenbiol **2.**

Ontholestes brasilianus **sp. n.** Brazil, BERNHAUER (202) D. ent. Zs. Berlin **1906.**

Oreochara **gen. n.** near *Aleochara, laramiensis* **sp. n.** Wyoming, CASEY (148) St. Louis Tr. Ac. Sci. **16.**

Othiellus **gen. n.** for *Othius melanocephalus* &c., CASEY (423) T.c.

Oxypoda mimetica, amica, (312), *sylvia, lucidula, stygica,* (313), *renoica, iowensis,* (314), *ancilla, simulans, truncatella,* (315), *virginica, obliqua, perexilis,* (316), *lacustris, nevadensis,* (317), *fusiformis* (318), N. America, CASEY T.c., **spp. n.**—*O. tenera* **sp. n.** Californien, BERNHAUER D. ent. Zs. **1906** (345).

Oxytelus (*Anotylus*) *crebratus* **sp. n.** Usambara, SCHUBERT D. ent. Zs. (377). —*O. micropterus* Tasmania (203), pl. xviii f. 4, *strigiceps, trisulcicollis,* (204), Australia *v-elevatus* Tasmania (205), *m-elevatus* (206), *lateralis* (207), *tuberculatus* (208), Australia, *dispar* Tasmania (209), *inconstans* W. Australia (210), LEA Sydney N.S.W. Proc. Linn. Soc. **31, spp. n.**—*O. robustus* **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. **1906** (383).—*O. vermicularis* (Fauv. i. l.) Gaboon **sp. n.,** BERNHAUER (185) D. ent. Zs. Berlin **1906.**

Pachycerota **gen. n.** near *Ilyobates* (307), *durgi* **sp. n.** N. America (308), CASEY St. Louis Tr. Ac. Sci. **16.**

Paederus usambaricus, weisei **spp. n.** Usambara, SCHUBERT D. ent. Zs. **1906** (375).

Palaminus productus **sp. n.** Usambara, SCHUBERT T.c. (376).

Pancota **gen. n.,** near *Silusa, collaris* **sp. n.** New York, CASEY (345) St. Louis Tr. Ac. Sci. **16.**

Parothius **gen. n.** for *Othius californicus* Mann., CASEY (424) T.c.

Phaenogyra californica California, CASEY (553) T.c., **sp. n.**

Phanerota **gen. n.** for pt. of *Gyrophaena,* (285), *ocularis, angularis,* (287), *cubensis* Cuba (288), *peninsularis* Lower California (289), **spp. n.,** and *G. boops* etc., CASEY T.c.

Phanolinus aureiventris (200), *episcopus,* Bolivia, *princeps* Peru, (201), **spp. n.,** BERNHAUER D. ent. Zs. Berlin **1906.**

Philonthus diversus, protenus, **spp. n.,** Kaschmir, SCHUBERT D. ent. Zs. **1906** (382).—*P. elegantulus* **sp. n.** Usambara, SCHUBERT T.c. (373).—*P. laticornis* Madagascar **sp. n.,** BERNHAUER (190) D. ent. Zs. Berlin **1906.**—*P. pentheri* Asia Minor, GANGLBAUER (273) Wien Ann. Nat. Hist. Hofmus **20, sp. n.**—*P. varius* var. n. *shetlandicus,* POPPIUS (9) Helsingfors Öfvers. F. vet. Soc. **47,** No. 17.

Phloeopora oregona, sublaeris, N. America, CASEY (310) St. Louis Tr. Ac. Sci. **16, spp. n.**

Phyllodrepa rufipennis Baikalsee (554), *clavigera* Finland (566), *palpalis* Italia (567), *reitteri* Lenkoran (570), **spp. n.,** *sahlbergi* **nom. n.** for *crassicornis* Sahlb. (561), LUZE Wien Verh. zool.-bot. Ges. 1906.

Physetops giganteus **sp. n.,** *herculeanus* **subsp. n.,** Uebersicht und Verbreitung der Arten, SEMENOV Rev. russ. ent. **6** (53–57).

Piestus sanctae-catharinae Brazil **sp. n.**, BERNHAUER (193) D. ent. Zs. Berlin **1906.**

Pinalochara **gen. n.** near *Alcochara*, (177), *wickhami* **sp. n.** Arizona (178), CASEY St. Louis Tr. Ac. Sci. **16.**

Pinophilus grandis **sp. n.** Buchara, REITTER Entomol. Ztg. Wien **25,** (237–244).

Placusa gabonensis Biafra, FAUVEL (290) Madrid Mem. Soc. Hist. Nat. **1, sp. n.**

Pleurotobia **gen. n.** near *Bolitochara*, (273), *suturalis*, *tristigma*, (274), *texana* (275), **spp. n.**, N. America, CASEY St. Louis Tr. Ac. Sci. **16.**

Plociopterus brasilianus Brazil **sp. n.**, BERNHAUER (197) D. ent. Zs. Berlin **1906.**

Polystomata **gen. n.** for *Polystoma grisea* Kr., CASEY (136) St. Louis Tr. Ac. Sci. **16.**

Pycnoglypta arctica Siberia, LUZE (586) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Quedius fulgidus allies distinguished, JOY (201) Ent. Mag. London **42.**

Raphirus umbrinus, early stages, MJÖBERG (139) figs. 3–7 Zs. wiss. Insektenbiol. **2.**

Rheobioma, **gen. n.** near *Rheochara*, (180), *disjuncta* **sp. n.** California (181), CASEY St. Louis Tr. Ac. Sci. **16.**

Rheochara nebulosa Pennsylvania, CASEY (179) T.c., **sp. n.**

Rheocharella, **gen. n.** near *Rheochara* (181), for *fenyesi* Bernh., CASEY T.c.

Saurohypnus dugesi, Mexico, CASEY, 374) T.c., **sp. n.**

Scopaeus (*Polyodontus*) *coecus* Tunis, DE PEYERUNHOFF (56) Paris Bull. soc. entom. **1906, sp. n.**

Sibiota, **gen. n.** near *Sipalia*, *impressula* **sp. n.** Oregon, CASEY (350) St. Louis Tr. Ac. Sci. **16.**

Silusa valens New York (344), *decolorata* California (345) CASEY T.c., **spp. n.**

Silusida, **gen. n.** near *Bolitochara* (270), *nanella* **sp. n.** Pennsylvania (271) CASEY T.c.

Staphylinus bodongi Rhodesia (187), *hemichrysis* Fauv. i, l. Abyssinia, *kraatzi* Cameroons (188), **spp. n.**, BERNHAUER D. ent. Zs. Berlin **1906.**

Stenus (*Hypostenus*) *kwaiensis* **sp. n.** Usambara, SCHUBERT D. ent. Zs. **1906** (376).—*S. ossium* var. n. *insularis*, **Joy** Ent. Mag. London **42** (5).—*S. violaceus* Brazil **sp. n.**, BERNHAUER (194) D. ent. Zs. Berlin **1906.**

Stictalia **gen. n.** near *Bolitochara* (264), *aspera*, *punctiventris*, (266), *rugipennis*, *obsolescens*, *arcuata*, (267), *bakeri*, *collaris*, *laxicornis*, (268), *brevicornis*, *minor*, (269), **spp. n.**, N. America, CASEY St. Louis Tr. Ac. Sci. **16.**

Stictolinus, **gen. n.** near *Leptacinus* (404), *aequalis* (405), *scolopacea*, *franciscanus*, (406), **spp. n.**, N. America CASEY T.c.

Styngetus niger Brazil and Paraguay **sp. n.**, BERNHAUER (197) D. ent. Zs. Berlin **1906.**

Sunius simsoni Tasmania (198), *favosus* (199) pl. xviii f. 3, *hackeri* (200), Australia, LEA Sydney N.S.W. Proc. Linn. Soc. **31, spp. n.**

Tachinoderus cyanipennis Madagascar **sp. n.**, BERNHAUER (191) D. ent. Zs. Berlin **1906.**

Tachyusa bicolor **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. **1906** (379).—*T. smithi* (206), *americana*, *carolinae*, (207), *obsoleta*, *parviceps*, (208), *subalutacea*, *missouriana*, (209), *pruinosa*, *dakotana*, *illini*, (210), *ornatella*, *arida*, (211), *vespertina* (212), N. America, CASEY St. Louis Tr. Ac. Sci. **16, spp. n.**

Tachyusilla, **subg. n.** for *Tachyusa balteata* Er., CASEY (213) T.c.

Tachyusota, **subg. n.** of *Tachyusa*, *gemma* **sp. n.** S. Africa, CASEY (213) T.c.

Taphrodota, **gen. n.** near *Homalota*, *ventralis* **sp. n.** New York, CASEY (338) T.c.

Teliusa, **gen. n.** near *Gnypeta* (203), *alutacea* **sp. n.** Texas (204), CASEY T.c.

Terasota **gen. n.** near *Homalota*, *brunneipes* **sp. n.** New York, CASEY (337) T.c.

Termitodiscus bellicosi Erythraea in nests of *Termes bellicosus*, SILVESTRI (348) Redia **3, sp. n.**

Termitusa escalerae Biafra, FAUVEL (289) Madrid Mem. Soc. esp. Hist. Nat., **1, sp. n.**

Tetrallus bicolor **sp. n.** Californien, BERNHAUER D. ent. zs. **1906** (343).

Thinusa fletcheri (353), *obscura* (354), N. America, CASEY St. Louis Tr. Ac. Sci. **16, spp. n.**

Tinotus trisectus Idaho, CASEY (321) T.c., **sp. n.**

Tithanis **gen. n.** for *Maseochara* valida, CASEY (172) T.c.

Tomoxelia opacula Cameroons **sp. n.**, BERNHAUER (192) D. ent. Zs. Berlin **1906.**

Trachyota **gen. n.** type *Falagria cavipennis* Lec., (190), *lativentris* **sp. n.** California (191), CASEY St. Louis Tr. Ac. Sci. **16.**

Trichiusa polita, transversa, (327), *parviceps, monticola,* (328), *convergens, hirsuta,* (329), *atra, postica, virginica,* (330), *rigida, discreta,* (331), *varicolor* (332), N. America, CASEY T.c., **spp. n.**

Trigonurus brasilianus Brasilia, BERNHAUER (327) Wien Verh. Zool.-bot. Ges 1906, **sp. n.**

Typhlobledius **gen. n.** near *Bledius* (200), *cylindricus* **n. sp.** Tasmania (202), LEA Sydney N.S.W. Proc. Linn. Soc. **31.**

Ulitusa **gen. n.** near *Silusa* (347), *cribratula, pusio,* **spp. n.**, Ohio, (348), CASEY St. Louis Tr. Ac. Sci. **16.**

Valenusa **gen. n.** near *Atheta, parallela* **sp. n.** California, CASEY (342) T.c.

Venusa **gen. n.** near *Bolitochara* (272), *lactula* **sp. n.** N. America (273), CASEY T.c.

Xanthohypnus **gen. n.** for *Xantholinus strigiceps* Sharp, CASEY (374) T.c.

Xenopygus **gen. n.** for *Lampropygus analis* and *bicolor,* BERNHAUER (196) D. ent. Zs. Berlin **1906.**

Xestolinus **gen. n.** near *Gyrohypnus* (397), *abdominalis, oviceps,* (398), **spp. n.**, N. America, CASEY St. Louis Tr. Ac. Sci. **16.**

Xesturida **gen. n.** near *Trichiusa* (325), *laevis* **sp. n.** N. America (326), CASEY T.c.

Xylodromus opaculus Sibirien, LUZE (497) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

The following have been previously recorded in the Zoological Record.

(*Acanthoglossa hora, longiceps,* Madagascar, FAUVEL, Rev. ent. Caen, **24,** 1905, spp. n.)

(*Actobius leptocerus, boops, oculatus,* Madagascar, FAUVEL, T.c. spp. n.)

(*Acylophorus delphinus* Madagascar, FAUVEL, T.c. sp. n.)

(*Aenictonia raffrayi* Deutsch Ost-Africa, FAUVEL, Rev. ent. Caen, 23, 1904, sp. n.)

(*Aleochara andrewesi, viatica,* FAUVEL, T.c. spp. n.)

(*Alianta phloeoporina,* FAUVEL, T.c. sp. n.—*A. rudis,* Afrique tropicale, FAUVEL, *Op. cit.,* **24,** sp. n.—*A. pictipennis,* Afrique, FAUVEL, T.c., sp. n.)

(*Amaurodera* gen. n., FAUVEL, (type *Falagria veluticollis* Mots.) T.c.)

(*Ancaeus cordicollis,* Madagascar, FAUVEL, T.c. sp. n.)

(*Anchocerus* gen. n., *birmanus,* Malaisie sp. n., FAUVEL, T.c.)

(*Anisolinus raffrayi, anthracinus,* Madagascar, FAUVEL, T.c., spp. n.)

(*Anisopsis* gen. n., *flexuosa,* Zambezi, *carinata,* Zanzibar, spp. n., FAUVEL, T.c.)

(*Anthobium sikkimi,* FAUVEL, T.c. sp. n.)

(*Apatetica semiriolacea,* Java, *rotundicollis,* Java, *sparsicollis,* Lombok, *laevicollis,* Tonkin, FAUVEL, T.c., spp. n.)

(*Apteronina* gen. n., *A. schmitti* sp. n., Colorado, WASMANN, Entomol., Ztg, Wien, **20,** 1901, (145–147).)

(*Astenus melanurus,* Küst, *subnotatus* var. n., FAUVEL, Rev. ent., Caen, **23,** 1904, sp. n,—*A. perangustus, punctipennis, perrieri, psilographus,* Madagascar, *Op. cit.,* **24,** spp. n.)

(*Astilbus incola,* FAUVEL, Rev. ent., Caen, **23,** 1904, sp. n.)

(*Atheta* (*Hydrosmecta*) *orientis,* FAUVEL, T.c., sp. n.—*A. nilgiriensis,* FAUVEL, T.c., sp. n.—*A.* (*Aloconcta*) *chiffana,* Barbarie, FAUVEL, *Op. cit.,* **24,** sp. n.)

(*Belonuchus quadriceps, holisinus*, Deutsch Ost.-Afrika, FAUVEL, *Op. cit.*, **23**, spp. n.)

(*Bledius distans, perrieri, lugubris*, Madagascar, FAUVEL, Rev. ent., Caen, **24, 1905**, spp. n.—*B. bellicosus*, Malaisie, *conicicollis*, Tonkin, *arenicola*, Malabar, *helferi*, Birmanie, FAUVEL, T.c., spp. n.)

(*Bolbophites* gen. n., *pustulosus, aspericeps*, Brésil, spp. n., FAUVEL, *Op. cit.*, **23**.)

(*Bolitochara semiaspera*, FAUVEL, T.c., sp. n.)

(*Bombylodes*, nov. nom. pro *Bombylius* Fauvel (1902), FAUVEL (43), T.c.)

(*Canonica aethiopica*, Deutsch Ost.-Africa, FAUVEL, T.c., sp. n.)

(*Conurus pulchricolor, gracilicornis, connexus*, Madagascar, FAUVEL, *Op. cit.*, **24**, spp. n.)

(*Coprophilus alticola*, Ind., FAUVEL, T.c., sp. n.)

(*Crymus* gen. n., *antarcticus*, Nouvelle Georgia du Sud n. sp., FAUVEL, T.c.)

(*Cryptobium extraneum*, FAUVEL, Op. cit. **23**, sp. n.—*C. alluaudi* Madagascar, FAUVEL, Op. cit. **24**, sp. n.)

(*Cylindropsis africana*, Algérie, PEYERIMHOFF, Paris, Bul. soc. ent., **1905**, sp. n.)

Delopsis microphthalma, Java, FAUVEL, Rev. ent., Caen, 1904; 24, 1905, sp. n.)

(*Dibelonetes alluaudi*, Madagascar, FAUVEL, T.c., sp. n.)

(*Diglossa peyerimhoffi, cameroni*, FAUVEL, Op. cit. **23**, 1904, spp. n.)

Dinardilla gen. n., *D. liometopi*, Colorado, sp. n., WASMANN, Entomol. Ztg., Wien, **20**, 1901, (145–147).

(*Dromeciton* gen. n., *wagneri*, Brésil, sp. n., FAUVEL, Rev. ent., Caen, **22**, 1904.)

(*Edaphus dentiventris*, Malaisie, FAUVEL, Op. cit. **24**, 1905, sp. n.)

(*Eleusis conradti, kolbei*, Deutsch Ost-Africa, FAUVEL, Op. cit. **23**, spp. n.—*E. perrieri, apicalis, heterodera, boops, hydrocephala*, Madagascar, FAUVEL, Op. cit **24**, spp. n.—*E. rufiventris*, Sumatra, *conifrons* Sumatra, *warburgi*, Célèbes, *discalis*, Sumatra, *rotundiceps*, Inde, *quadridens*, Perak, *lunigera*, Asie orientale, Nouvelle Guinée, etc., FAUVEL, T.c. spp.)

(*Erchomus aluticollis*, Nouvelle Guinée, FAUVEL, Rev. ent., Caen, **23**, 1904, sp. n.—*E. planus*, Malaisie, FAUVEL, Op. cit. **24**, sp. n.—*E. ampliatus*, Afrique tropicale, FAUVEL, T.c. sp. n.—*E. retipennis, madecassa*, Madagascar, FAUVEL, T.c. spp. n.)

Eustenia gen. n., *aspera, opacicollis*, Java spp., FAUVEL, T.c.)

(*Falagria nilgiriensis*, FAUVEL, Op. cit. **23**, sp. n.)

(*Geostiba aurogemmata*, FAUVEL, T.c. sp. n.—*G. peyerimhoffi*, Barbarie, FAUVEL, Op. cit. **24**, sp. n.)

(*Haploderus speculiventris*, Java, FAUVEL, T.c. sp. n.)

(*Holosus parcestriatus*, Java, *pennifer*, Annam, *brevipennis*, Asie orientale, *iusularis*, Malaisie, *aberrans*, Ceylon, FAUVEL, T.c. spp. n.)

(*Holotrochus coriaceus, nigrita, nitescens, marginicollis, specularis, fairmairei*, Madagascar, FAUVEL, T.c. spp. n.)

(*Homalium usambarae*, Deutsch Ost-Africa, FAUVEL, Op. cit. **23**, sp. n.—*H. hova, costipenne*, Madagascar, FAUVEL, Op. cit., **24**, spp. n.—*H. sulcicolle, chorizans, obesum, rude*, Sumatra, FAUVEL, T.c., spp. n.—*H. vaulogeri*, Barbarie, FAUVEL, T.c., sp. n.)

(*Homalota crenulata*, FAUVEL, Op. cit., **23**, sp. n.—*H. nigrescens*, Malaisie, FAUVEL, Op. cit., **24**, sp. n.)

(*Hoplitodes* gen. n., *echidne*, Natal, sp. n., FAUVEL, T.c.)

(*Lathrobium sinaïcum*, FAUVEL, Op. cit., **23**, sp. n.—*L. catenulatum*, Madagascar, FAUVEL, Op. cit., **24, sp. n.**)

(*Leptusa* (*Pisalia*) *oreophila*, sp. n., Kärnthen, Steiermark, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).)

(*Lispinus usambarae, insignicollis*, Deutsch Ost-Africa, FAUVEL, Rev. ent. Caen, **23**, 1904, spp. n.—*L. varians, agnatus, obscurellus*, Madagascar, FAUVEL, Rev. ent. Caen.—*L. macropterus*, Célebès *validicornis*, Queensland, *sulcatus*, Nouvelle Guinée, *rugipennis*, Java, *acicularis*, Java, *quadrinotatus*, Malaisie, *binotatus*, Nouvelle Guinée, FAUVEL, Op. cit., **24**, spp. n.—*L. rufulus*, Afrique tropicale, FAUVEL, T.c., sp. n.)

(*Leptacinus politus, dieganus, microphthalmus*, Madagascar, FAUVEL, T.c., spp. n.)

(*Maseochara indica, javana*, Java, FAUVEL, Op. cit., **23**, spp. n.)

(*Medon praeustus, latecinctus, nanus*, Malaisie, FAUVEL, Rev. ent. Caen, **24**, 1905, **spp. n.**—*M. prognathus, megalops, duplicatus, dieganus, madecassa, sexualis, heterogenus, maculipennis, hova, delphinus*, Madagascar, FAUVEL, T. c., spp. n.)

(*Megacronus lineipennis*, FAUVEL, Op. cit., **23**, sp. n.)

(*Megalops hova, bifenestratus, cribriceps*, Madagascar, FAUVEL, Op. cit., **24**, spp. n.)

(*Megarthrus bimaculatus*, Ceylon, *basicornis*, Inde, FAUVEL, T.c., spp. n.)

(*Mimophites* gen. n., *bouvieri, laticeps*, Brésil, spp. n., FAUVEL, Op. cit., **23**.)

(*Mitomorphus obsoletus*, FAUVEL, T.c., sp. n.)

(*Neophonus* gen. n., *bruchi*, sp. n., Argentine, FAUVEL, Op. cit., **24**.)

(*Oedichirus ventralis, rufitarsis, kolbei*, Madagascar, FAUVEL, Op. cit., spp. n.)

(*Osorius strangulatus* n. sp., FAUVEL, Op. cit., **23**, 1904, sp. n.—*O. sparsior* Deutsch Ost-Africa, FAUVEL, T.c. sp. n.—*O. frontalis*, Malaisie, FAUVEL, Op. cit. **24**, sp. n.—*O. incisifrons*, FAUVEL, *regularis*, Afrique tropicale, T.c. spp. n.—*O. impennis* Madagascar, FAUVEL, T.c. sp. n.)

(*Oxypoda arabs*, FAUVEL, Op. cit. **23**, sp. n.)

(*Oxytelopsis madecassa* Madagascar, *genalis* Perak, FAUVEL, Op. cit., spp. n.)

(*Oxytelus puactipennis*, Inde, *barbatus*, Java, *cribrum*, Inde, *uncifer*, Java, *sikkimi*, Inde, *tenuicornis, occipitalis, raffrayi*, Java, *crenulifer*, Gabon, *pubiventris, foraminosus*, Afrique, *pubiventris, sericeiventris, alutellus, fusicornis, parcepunctus, galla, hamacenus, fulgidus, megalomarus, curticollis, reductus, bidentulus, viator*, Afrique, *jelskii, apicicornis, inaequalis, hamuliger, laevissimus, striolicollis, vulcanus, monodon, obscurellus, championi, rhapolocerus, magdalinae, speculiceps*, Amerique, FAUVEL, Rev. ent. Caen, **24**,

spp. n.—*O. bubalus, atriceps, megacephalus, gigantulus, migrator*, Fauvel, *ruptus*, Indo-malaisie, *heterophthalmus*, Australie, *dilutipennis, planus, nitidipennis, claviger, incisicollis, bicolor, heterocerus, sculptiventris*, Afrique, *crassus, speculum, dentifrons, scorpio*, Amérique tropicale, FAUVEL, T.c. spp. n. —*O. lobatus, anticus*, Madagascar, FAUVEL, T.c. spp. n.)

(*Pachycorinus puncticollis, scalabrei*, Madagascar, FAUVEL, Rev. ent. Caen, **24**, spp. n.—*P. marginellus*, Afrique tropicale, FAUVEL, T.c. spp. n.)

(*Paederus andrewesi, gratiosus*, FAUVEL, Op. cit. **23**, sp. n.—*P. trimerus*, Nouvelle Guinée, FAUVEL, T.c. sp. n.—*P. usambarae*, Deutsch Ost-Africa, FAUVEL, T.c. sp. n.—*P. metallicus, dilatipes, forficularius*, Madagascar, FAUVEL, Op. cit. **24**, spp. n.)

(*Palaminus simoni*, FAUVEL, Op. cit. **23**, sp. n.—*P. suturalis, madecassa, pennifer, nossibianus, allocerus, brunneus, circumflexus, transmarinus*, Madagascar, FAUVEL, Op. cit **24**, spp. n.)

(*Paragonus acuticollis, heterocerus*, Malaisie, FAUVEL, T.c. spp. n.)

(*Philonthus undae* sp. n., Steiermark, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).—*P. pollux, limbipennis, ingratus, ovicollis, hova*, Madagascar, FAUVEL, Rev. ent. Caen, **24**, spp. n.—*P. cinctus* Abyssinie, FAUVEL, T.c. sp. n.—*P. dimidiaticornis, pallidipennis*, Afrique tropicale, FAUVEL, T.c. spp. n.)

(*Phyllodrepa sekerae* Italien, REITTER, Entomol. Ztg. Wien, **24**, 1905, (242), sp. n.)

(*Phytosus obockianus* Afrique, FAUVEL, Rev. ent. Caen, **24**, 1905, sp. n.)

(*Pinophilus piceus*, FAUVEL, Op. cit. **23**, sp. n.—*P. schuberti, mesocerus, speculifrons, fairmairei*, sp. n., *schuberti punctulatus* var. n., Madagascar, FAUVEL, T.c.)

(*Placusa simulans* Deutsch Ost-Africa, FAUVEL, Op. cit. **23**, sp. n.)

(*Planeustomus indicus*, FAUVEL, Op. cit. **24**, sp. n.)

(*Platydromus erosus*, Madagascar, FAUVEL, T.c. sp. n.)

(*Platyprosopus niloticus*, Afrique, FAUVEL, Op. cit. **23**, (275) sp. n.)

(*Proteinus* Latr., Artübersicht (226–228); *P. planicollis*, (201), *reflexicollis* Araxestal, (226), *altaicus*, Altai (227), spp. n.; *P. brachypterus* Fbr. var. n., *lividipennis*, Kaukasus, REITTER, Entomol. Ztg., Wien, **24**, 1905.)

(*Scopaeus hova, longicornis, punctatellus*, Madagascar, FAUVEL, Rev. ent. Caen, **24**, 1905, spp. n.)

(*Silusa leptocera*, Java, FAUVEL, T.c. sp. n.)

(*Staphylinus suspectus*, FAUVEL, Op. cit. **23**, sp. n.—*S. notativentris*, Abyssinie, FAUVEL, Op. cit. **24**, sp. n.—*S. hemichrysis, alluaudi*, Afrique tropicale, FAUVEL, T.c. spp. n.—*S. tanalensis, violaceovirens*, Madagascar, FAUVEL, T.c. spp. n.)

(*Stenus* (*Nestus*) *phyllobates* sp. n., Steiermark, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).—*S. belli, ventricosus, andrewesi, consors, millepunctus*, FAUVEL, Rev. ent. Caen., **23**, spp. n.—*S. azeganus*, Abyssinie, FAUVEL, Op. cit. **24**, sp. n.—*S. protector, irroreus, uniformis, volvulus obconicus, mirus, alluaudi, sicardi, goudoti, dieganus, chloropterus, pluripunctus, creberrimus, trioïle, delphinus*, Madagascar, FAUVEL, Op. cit. **23** spp. n.)

(*Stilicoderus umbratus*. FAUVEL, Op. cit. **23**, sp. n.)

(*Stilicopsis breviceps*, Malairie, FAUVEL, Op. cit. **24**, 1905, sp. n.)

(*Stilicus quadrimaculatus*, Deutsch Ost. Africa, FAUVEL, Op. cit. **23**, sp. n.)

(*Suniocharis guttula, dilutipes*, Madagascar, FAUVEL, Op. cit. **24**, spp. n.)

(*Tanygnathus crassicornis*, Madagascar, FAUVEL, T.c. sp. n.)

(*Termitusa* gen. n., *sjoestedti* sp. n., WASMANN, Rev. ent. Caen, **24**, 1905.)

(*Tetradelus* gen. n., *trigonuroïdes*, sp. n., FAUVEL, Rev. ent. Caen, **24**.)

(*Thinocaris inermis, impressa curticollis, alluaudi, brevigenis, aptera, dieg ana*, Madagascar, FAUVEL, T.c. spp. n.)

(*Trogophloeus, alluaudi, dieganus, malgaceus, boops*, Madagascar, FAUVEL, T.c. spp. n.—*T. fuscipalpis*, Ceylon, *lepidicornis*, Célèbes, FAUVEL, T.c.

(*Xantholinus cinctus*, FAUVEL, Op. cit. **23** sp. n.—*X. pictipennis*, Deutsch Ost-Africa, FAUVEL, T.c. sp. n.—*X. goudoti, heterocephalus, sexpunctatus, albocinctus, hova, umbilicatus claviger, innocuus*, Madagascar, FAUVEL, Op. cit. **24** spp. n.)

(*Xerophygus ocularis*, Sumatra, FAUVEL, T.c. sp. n.)

(*Zyras forticornis*, FAUVEL, *hastatus*, Op. cit. **23**, spp. n.—*Z. compressicornis*, Asia or., FAUVEL, Op. cit. **24**, sp. n.)

PSELAPHIDAE.

Adranes dietzii **sp. n.** California, SCHAEFFER (265) Philadelphia Pa. Trans. Amer. Ent. Soc. **32**.

Amauronyx dodeori Gavarnie, NORMAND (105) Paris Bull. Soc. ent. **1906**, **sp. n.**

Amaurops romana Italie, RAFFRAY (162) Paris Bull. Soc. ent. **1906, sp. n.**

Batrisodes beyeri (261), *antennatus* (262), N. America, SCHAEFFER Philadelphia Pa. Trans. Amer. Ent. Soc. **32, spp. n.**

Bryaxis (*Bythinus*) *galeata* **sp. n.** Port-Vendres (291), (*Bythinus*) *fauconneti hermensis* subsp. nov. (292), NORMAND Paris Bull. Soc. ent. **1906.**

Bythinus sturanyi (1667), *merditanus, oroshianus*, (1668), Albanien, *cetinjensis* Montenegro (1669), *tithonus* Albanien (1670), **spp. n.**, APFELBECK Wien Sitz-Ber. Ak. Wiss. **115** Abt. 1.—*B. calabricus* **sp. n.** Italy, REITTER Entomol. Ztg. Wien **25** (130).

Caccoplectus spinipes **sp. n.** Texas, SCHAEFFER (263) Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**

Euplectus curvipes Constantine, PEYERIMHOFF (37) Paris Bull. Soc. entom **1906, sp. n.**—*E. hummleri* **sp. n.** Calabrien, REITTER Entomol. Ztg. Wien **25** (129).—*E. tomlini* England in birds' nest JOY (99) Ent. Mag. London **42, sp. n.**

Fustiger knausii **sp. n.** New Mexico, SCHAEFFER (264) Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**

Reichenbachia dilatipes **sp. n.** Texas, SCHAEFFER (262) T.c.

Reichenbachius **nom. n.** for *Reichenbachia* auctt., CASEY (359) St. Louis Tr. Ac. Sci. **16.**

Trimium paganettii **sp. n.** Calabrien, REITTER, Entomol. Ztg. Wien **25** (129).

The following Pselaphidae have been previously recorded in the Zoological Record :—

(*Achillia convexiceps, picea, cordicollis, clavata, quadraticeps, latifrons, blanchardi* nom. n., *elfrida, brevicornis*, RAFFRAY, Paris, Ann. Soc. ent., **72**, spp. n.)

(*Adiastulus* gen. n., RAFFRAY, T.c.)

(*Anasis impunctata*, RAFFRAY, T.c. sp. n.)

(*Anasopsis* gen. n., RAFFRAY, T.c.)

(*Ancystrocerus carinatus*, RAFFRAY, T.c. sp. n.)

(*Apharina nodula, armata*, RAFFRAY, T.c. spp. n.)

(*Aploderina* gen. n., *sulcicornis*, sp. n., RAFFRAY, T.c.)

(*Aporhexius* gen. n., *pubescens* sp. n., RAFFRAY, T.c.)

(*Arthmius pedestrianus, labiatus, transversalis*, RAFFRAY, T.c. spp. n.)

(*Asymoplectus flagellatus*, RAFFRAY, T.c. sp. n.)

(*Atenisodus* gen. n., *macrophthalmus* sp. n., RAFFRAY, T.c.)

(*Balega dentata*, RAFFRAY, T.c. sp. n.),

(*Batoctenus dimidiatus, incertus*, RAFFRAY, T.c. spp. n.)

(*Batraxis tumorosa, indica, parvispina, obesa*, RAFFRAY, T.c. spp. n.)

(*Batribolbus* gen. n., RAFFRAY, T.c.)

(*Batrisiella* gen. n., RAFFRAY, T.c.)

(*Batrisinus elegans, gravidus*, RAFFRAY, T.c. spp. n.)

(*Batrisocenus siamensis, furcifer, tumorosus, triangulatus, truncatus, mitratus, vulneratus, carinatus, trigona, longipes, cameratus, fornicatus, binodosus, calcaratus, sauciipes, deformipes-cultripes, major, sinensis, indecorus, annamita, quadraticeps, immundus, capitatus, carinicollis*, RAFFRAY, T.c. spp. n.)

(*Batrisodes obesus, luteolus, tricarinatus, tuberculatus, acinosus, ferinus, tenuicornis, multiforus, infandus, patra, nus, nodosus, indecorus, mavortius, irritus, demissus, sagax, Harmandi epistomalis, ophelius*, RAFFRAY, n. spp.)

(*Batrisomalus* gen. n., *infossus* sp. n., RAFFRAY, T.c.)

(*Biblomimus* gen. n., *minutus* sp. n., RAFFRAY, T.c.)

(*Bibloplectus parviceps*, RAFFRAY, T.c. sp. n.)

(*Brachygluta aubei, pici, haematica simplicior, leprieuri clavata*, RAFFRAY, T.c. varr. n.)

(*Braxyda* gen. n., *homata, crassipes*, spp. n., RAFFRAY, T.c.)

(*Bryaxina* gen. n., *torticollis, armiceps, lucida, clavata, dimidata, schaufussi, foveifrons, crassicornis*, RAFFRAY, T.c. spp. n.)

(*Bunoderus* gen. n., *carinicollis, longipilis* spp. n., RAFFRAY, T.c.)

(*Bythinoplectus transversiceps*, RAFFRAY, Tc. sp. n.)

(*Bythinus formaneki*, Dalmatien, FLEISCHER, Entomol. Ztg., Wien, **20**, 1901, (144), sp. n.—*B. leonhardi, subsolidus*, Herzegowina, REITTER, Entomol. Ztg., Wien, **21**, 1902, (1–9, mit 1 Taf.), spp. n.—*B. bodemeyeri* (221), *mohamedis*, Konstantinopel, Anatolien, (222), sp. n., REITTER, Entomol. Ztg., Wien, **22**, 1903. — *B.* (*Bythoxenus*) *guignardi* Peyerimhoff, Paris, Bul. soc. ent., **1904**, sp. n.—*B. Machaerites fagniezi*, PERRIN, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Centrophthalmosis* gen. n., *inexpectus, sulcatus, reitteri*, spp. n., RAFFRAY, Paris, Ann. Soc. ent., **72**.)

Centrophthalmus guinaeensis, abyssinicus, birmanus, sinensis, papuanus, angustipalpus, bicarinatus, RAFFRAY, T.c. spp. n.

(*Cercoceroides simplex, tuberculatus*, RAFFRAY, T.c. spp. n.)

(*Cercoceropsis* gen. n., *longipes* sp. n., RAFFRAY, T.c.)

(*Cheniopsis* gen. n., *madecassa* sp. n., RAFFRAY, T.c.)

(*Claviger montandoni*, RAFFRAY, T.c. sp. n.)

(*Comatopselaphus parcepunctatus*, RAFFRAY, T.c. sp. n.)

(*Cryporhinula xybarinoides*, RAFFRAY, T.c. sp. n.)

(*Ctenicellus* gen. n., *major* sp. n., RAFFRAY, T.c.)

(*Ctenisomimus* gen. n., RAFFRAY, T.c.)

(*Ctenisophus validicornis, bowringi, irregularis*, RAFFRAY, T.c., spp. n.)

(*Ctenistes crassirostris*, RAFFRAY, T.c., sp. n.)

(*Curculionellus hirtus*, RAFFRAY, T.c., sp. n.)

(*Cyathiger gracilis paatruelis, nodicornis, truncatus*, RAFFRAY, T.c., spp. n.)

Daimodes gracilipes, RAFFRAY, T.c., sp. n.)

(*Decarthron bicolor, hetschkoi, sulcipes, tritomum, arthriticum, insulare, quadraticeps, planiceps, schmitti, spinosum, vulneratum, brasilianum, minutum, tomentosum, schaufussi, planifrons, longicorne, frontale*, RAFFRAY, T.c., spp. n.)

(*Desimia caviceps*, RAFFRAY, T.c., sp. n.)

(*Diapos.s* gen. n., RAFFRAY, T.c.)

(*Diaugis* gen. n., *granulosa* sp. n., RAFFRAY, T.c.)

(*Didymoprora semipunctata*, RAFFRAY, T.c., sp. n.)

(*Drasinus* gen. n., *binodulus*, sp. n., RAFFRAY, T.c.)

(*Ectopocerus* gen. n., RAFFRAY, T.c.)

(*Eleusotamus* gen. n., RAFFRAY, T.c.)

(*Enoptostomus crassicornis*, RAFFRAY, T.c., sp. n.)

(*Ephimia subnitida*, RAFFRAY, T.c., sp. n.)

(*Ephymata* gen. n., RAFFRAY, T.c.)

(*Eremomus* gen. n., *obesus, crassicornis*, spp. n., RAFFRAY, T.c.)

(*Eupines minima*, (*Byraxis*) *longiceps*, RAFFRAY, T.c., spp. n.)

(*Euphalepsus tricarinatus, fasciculatus, dentipes, tibialis*, RAFFRAY, T.c., spp. n.)

(*Euplectus, schmitti, infossus, illepidus*, (*Pychnoplectus*) *exiguus*, RAFFRAY, T.c., spp. n.—*E.* (*Plectophloeus*) *corniculatus* Herzegowina, REITTER, Entomol. Ztg. Wien, **21**, 1902, (1–9 mit 1 Taf.), sp. n.)

(*Eupsenius gracilis*, RAFFRAY, Paris, Ann. Soc. ent., **72**, sp. n.)

(*Eurhexius sexpunctatus, longicornis, megacephalus, quadriforeatus, laevis, subacuminatus, octopunctatus, reitteri, bicolor*, RAFFRAY, T.c., spp. n.)

(*Eutelcia* gen. n., *lewisi, triforeata, nodosa*, spp. n., RAFFRAY, T.c.)

(*Eutyphlus schmitti*, RAFFRAY, T.c., sp. n.)

(*Exallus* gen. n., RAFFRAY, T.c.)

(*Filiger validus, opacus*, RAFFRAY, T.c., spp. n.)

(*Fustiger smithi*, RAFFRAY T.c. sp. n.)

(*Fustigeropsis simplex*, RAFFRAY, T.c., sp. n.)

(*Globa laevis*, RAFFRAY, T.c., sp. n.)

(*Hamotoides nigropilosus, hirtus*, RAFFRAY, T.c., spp. n.)

(*Hamotus sternalis, boliviensis, globulifer, tibialis, punctipennis, vesiculifer, bulbifer, laetus, cavicornis, rugosus, bicolor, fauveli, sulcipaplus, grouvellei, simplex, soror, decipiens, longepilosus, longiceps*, RAFFRAY, T.c. spp. n.)

(*Harmomima* gen. n., *grandiceps* spp. n., *impressicollis*, RAFFRAY, T.c.)

(*Hypochraeus* gen. n., *granosus*, sp. n., RAFFRAY, T.c.)

(*Itamus* gen. n., *laticeps* sp. n., RAFFRAY, T.c.)

(*Jubus brevis, gracilicornis, clavatus*, RAFFRAY, T.c., spp. n.)

(*Labomimus harmandi*, RAFFRAY, T.c., sp. n.)

(*Machaerites czernohorskyi*, Herzegowina, REITTER, Entomol. Ztg., Wien, **21**, 1902, (1–9, mit 1 Taf.), sp. n.)

(*Macroplectus tasmanicus*, RAFFRAY, Paris, Ann. Soc. ent., **72**, sp. n.)

(*Melba grenadensis, dentipes, quadrifoveata*, RAFFRAY, T.c., spp. n.)

(*Methorius* gen. n., RAFFRAY, T.c.)

(*Metopias carinipes*, RAFFRAY, T.c., sp. n.)

(*Miltona* gen. n., *quadraticeps, bisulciceps, mnizechi, nigra*, RAFFRAY, T.c., spp. n.)

(*Mina nasuta*, RAFFRAY, T.c., sp. n.)

(*Nenemeca* gen. n., *bidentata* sp. n., RAFFRAY, T.c.)

(*Modulina* gen. n., RAFFRAY, T.c.)

(*Odontolgus gracilis, validus*, RAFFRAY, T.c., spp. n.)

(*Ophelius* gen. n., *simplex* sp. n., RAFFRAY, T.c.)

(*Ornotinus* gen. n., RAFFRAY, T.c.)

(*Phaensis velutinus*, RAFFRAY, T.c., sp. n)

(*Phalepsus vulgaris, cavicornis*, RAFFRAY, T.c., spp. n.)

(*Phoberus* gen. n., *armatus* sp. n., RAFFRAY, T.c.)

(*Pselaphus pubescens, vestitus*, RAFFRAY, T.c., spp. n.)

(*Pselaptus politissimus, sternalis*, RAFFRAY, T.c., spp. n.)

(*Pseudohamotus planiceps*, RAFFRAY, T.c., sp. n.)

(*Pseudophanias elegans, robustus, tuberculatus, punctatus, puberulus, clavatus*, RAFFRAY, T.c., spp. n.)

(*Radamellus* gen. n., RAFFRAY, T.c.)

(*Raffrayia opaca*, RAFFRAY, T.c., sp. n.)

(*Reichenbachia addahensis, nana, infelix, breviventris, bengalensis, grouvellei, nitella, boliviensis, pygidialis, cicatricosa, muscorum, curvipes, arabica, irrita, luetola, chevrolati, pilosa, illepida, fasciculata, compressipes, orientalis, maroccana, grenadensis, vincentiana, cultrata, globulosa, chiricahuensis, mexicana, oberthüri, appendiculata, obnubila, immodica*, RAFFRAY, T.c., spp. n.)

(*Rybaxis villosa, convexa, bicarinata*, RAFFRAY, T.c., **spp. n.**)

(*Scalenarthrus subcarinatus, schaufussi, simplex, obliquus, clavatus, pectinicornis*, RAFFRAY, T.c., spp. n.)

(*Schaufussia nasuta*, RAFFRAY, T.c., sp. n.)

(*Sothytes gracilis*, RAFFRAY, T.c., sp. n.)

(*Strombopsis* gen. n., *breviventris* sp. n., RAFFRAY, T.c.)

(*Subulipalpus myrmecophilus*, RAFFRAY, T.c., sp. n.)

(*Tanypleurus megacephalus*, RAFFRAY, sp. n., T.c.)

(*Thesiastes liliputanus*, RAFFRAY, T.c., sp. n.)

(*Tmesiphorus punctatus, arrowi, hispina, squamosus, aspericollis*, RAFFRAY, T.c., spp. n.)

(*Trimium longiventre*, RAFFRAY, T.c., sp. n.)

(*Trimium emoxae* Reitt., Verbreitungsgebiet, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).)

(*Triomicrus cavernosus, humilis*, RAFFRAY, Paris, Ann. Soc. ent., **72**, spp. n.)

(*Tychus bispina, sternalis*, spp. n., *bryaxioides poupillieri* var n., RAFFRAY, T.c.—*T. depexus*, PEYERIMHOFF, Paris, Bul. soc. ent., **1905**, sp. n.—*T. microphthalmus*, Algier, REITTER, Entomol. Ztg., Wien, **22**, 1903, (231), sp. n.)

(*Xybarida punctulum*, RAFFRAY, Paris, Ann. Soc. ent., **72**, sp. n.)

(*Xybaris quadraticeps, atomaria*, RAFFRAY, T.c., spp. n.)

PAUSSIDAE.

Megalopaussus **gen. n.**, *amplipennis* **sp. n.** Australia pl. xviii f. 5, LEA (217) Sydney N.S.W. Proc. Linn. Soc. **31**.

SCYDMAENIDAE.

Cephennium hypogaeum Port-Vendres, NORMAND (106) Paris Bull. Soc. ent. **1906, sp. n.**—*C. punctipenne* and *thoracicum* synonymy, FAUVEL (12) Rev. Ent. Caen, **25**.

(*Cephennium* (*Megaloderus*) *bodemeyeri* **sp. n.**, Anatolien, REITTER, Entomol. Ztg., Wien, **22**, 1903, (222).)

(*Euconnus* (*Tetramelus*) *bodemeyeri* Kleinasien, Konstantinopel, REITTER, Op. cit., **23**, 1903, (223), **sp. n.**—*E.* (*Tetramelus*) *leonhardi* Cephallonia, REITTER, Op. cit., **24**, 1905, (242), **sp. n.**—*E. carinthiacus* Ganglb., Verbreitungsgebiet, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).)

(*Neuraphes* (*Scydmoraphes*) *duricollis* Kleinasien, REITTER, Entomol. Ztg., (223), Wien, **22**, 1903, **sp. n.**)

SILPHIDAE.

Larvae of *Silphidae*, tables, PEYERIMHOFF, (116–118) Paris Bull. Soc. ent. **1906**.

Agathidium cribatum (419), *subcostatum* (420), Japan, *harmandi* Sikkim (421), PORTEVIN Bul. Mus. Paris 1905, **spp. n.**

Aglyptinus **nom. n.** for *Aglyptus* Lec., COCKERELL (240) Ent. News **17**.

Anillocharis stenoptera **sp. n.** Montenegro, FORMÁNEK Entomol. Ztg. Wien **25** (151).

Apholeuonus knoteki **sp. n.** Bosnien, Reitter Entomol. Ztg. Wien **25** (237).

Bathyscia alexinae, with subsp. *ittana*, Basses Pyrénées, Jeannel (23) Paris Bull. Soc. entom. **1906, sp. n.**—*B. nadari*, (244), *normandi* (246), Ariège, Jeannel Paris Bull. Soc. ent. **1906, spp. n.**—*B. alexinae* var. *ittana* ♀, Jeannel Paris Bul. soc. ent. **1906** (151–152).—*B. aubei*, *foveicollis* and *spagnoloi*, larvae, Peyerimhoff (112–115) cuts, Paris Bull. Soc. ent. **1906.**—*B. aubei* l'aire de dispersion de, Chobaut Nîmes Bul. soc. étud. sci. nat. **33** (167–168).

Bathysciella **gen. n.** for *Bathyscia jeanneli*, Jeannel (23) Paris Bull. Soc. entom. **1906.**

Colon tenuicorne New Zealand, Portevin (423) Bull. Mus. Paris 1905, **sp. n.**—*C. viennense* Herbst var. n. *hirtellum*, Fleischer Entomol. Ztg. Wien **25** (37).

Hydnobius suturalis Maroc, Portevin Bull. Mus. Paris 1905 (418), **sp. n.**

Liocolenis **gen. n.** near *Colenis*, *pygmaea* **sp. n.** Sikkim, Portevin (422) T.c.

Liodes obesa varr. n. *mixta* and *minor*, Fleischer Entomol. Ztg. Wien **25** (201–209).—*L. rubiginosa* var. n. *dilaticollis* (131), *angulicollis* Reitt. is var. of *calcarata* (133), *calcarata* varr. n. *nigrescens* and *subsulcata* (134), Fleischer Entomol. Ztg. Wien **25.**—*L. vladimiri* **sp. n.** Böhmen and Mähren, Fleischer T.c. (147).

Liodinella **gen. n.** near *Pseudocolenis* (422), *strigosa* **sp. n.** Sikkim (423), Portevin Bul. Mus. Paris 1905.

Nargus densissimus Russisch-Armenien (143), *leonhardi* Cephalonia, *turkestanicus* Samarkand, (144), **spp. n.**, *velox* var. n. *nigerrimus* (141), Reitter Entomol. Ztg. Wien **25.**

Necrophorus; Barkowski, Insektenbörse Leipzig **23** (156).

Pelatines **nom. n.** for *Pelates* Horn, Cockerell (240) Ent. News **17.**

Pseudocolenis grandis, *lata*, (420), *strigosula* (421), Japan, Portevin Bul. Mus. Paris 1905, **spp. n.**

Pteroloma calathoides Japan, Portevin (421) T.c., **sp. n.**

Ptomaphagus subvillosus Goeze = (*sericeus* Fabr.) Bedel (91) Paris Bull. Soc. ent. **1906.**

Silpha; the larvae, Xambeu (264–266, 277, 278, 283–286) Naturaliste 1906.—*S. obscura* var. n. *distincta*, Portevin (386) Bull. Mus. Paris **12.**

Sphaeroliodes **gen. n.** near *Amphicyllis*, *rufescens* **sp. n.** Japan, Portevin (419) Bull. Mus. Paris 1905.

Sphaeroloma **gen. n.** near *Pteroloma*, *sikkimensis* **sp. n.** India, Portevin T.c. (422).

Thanatophilus sinuatus var. n. *auripilosus*, Portevin T.c. (421).

Troglophyes bedeli Pyrénées orientales, Jeannel (275) Paris Bull. Soc. ent. **1906, sp. n.**

(*Anillocharis* gen. n. *ottonis*, Herzegowina, sp. n., (231), Reitter, Entomol. Ztg., Wien, **22,** 1903.)

(*Antroherpon matuliči* sp. n., Herzegowina, Reitter, T.c. (216).)

(*Bathyscia mascarauxi*, Pyrénées, Sainte Claire Deville, Paris, Bul. soc. ent., **1905,** sp. n.—*B. memausica*, Chobaut, (76), Nîmes, Bul. soc. étud. sci. nat., **31,** 1903, sp. n.—*B. nemausica*, France, Chobaut, Paris, Bul. soc. ent., **1903,** sp. n.—*B. bucheti*, Abeille de Perrin, Paris, Bull. soc. ent., **1905,** sp. n.—*B. jeanneli*, *elgueae*, Abeille de Perrin, Paris, Bul. Soc. ent., **1904,** spp. n.—*B. champsauri*, *foveicollis*, subspp. n. Peyerimhoff, Paris, Bul. soc. ent., 1904.—*B. destefanii*, Dodero, Naturalista sicil., Palermo, **17,** (121–123).—De Peyerimhoff, Etude sur les *Bathyscia* du groupe d'*aubei* Kiesw. Paris, Bul. soc. entom, **1905,** (297–303).)

(*Catops rescissicollis*, Peyerimhoff, Paris, Bul. soc. ent., **1905,** sp. n.)

(*Diaprysius serrulazi*, Peyerimhoff, Op. cit. **1904,** (185–186), sp. n.)

(*Leonhardella* gen. n., (209), *angulicollis*, Herzegowina, sp. n., (210), Reitter, Entomol. Ztg., Wien, 22, 1903.)

(*Leptoderus hohenwarti* subsp. n. *reticulatus*, Küstenland, Nordistrien, Müller, Entomol. Ztg., Wien, **24,** 1905, (32).)

(*Liodes*, Kritische Studien, Fleischer, Entomol. Ztg., Wien, **24,** 1905, (269–273, 313–316); Biologie, Fleischer Op. cit. **23,** 1904, (251–254).)

(*Oryotus schmidti* subsp. n. *subdentatus*, Nordistrien, MÜLLER, Entomol. Ztg., Wien, **24**, 1905, (32).)

(*Silphanillus* gen. n., (210), *leonhardi*, Herzegowina, sp. n., (211), REITTER, Entomol. Ztg., Wien, **22**, 1903.)

(*Troglophyes ludovici*, France, CHOBAUT, Paris, Bul. soc. ent., **1903**, sp. n.)

PLATYPSYLLIDAE.

Account of *Platypsyllidae*, DESNEUX Gen. ins. fasc. **41**.

Platypsyllus castoris, existence of mandibles, the larva, DESNEUX (103–105) Bruxelles Ann. Soc. ent. Belgique **50**.—*P. castoris*, GALIEN-MINGAUD, Le Castor du Rhône et ses parasites, Nature Paris **33** (2e sem.) 1905 (118–119, av. fig.), and **33** 1906 (74–77, av. fig.).—*P. castoris* in France, MINGAUD T.c. (85–87).

TRICHOPTERYGIDAE.

Ptenidium (*Matthewsium*) *compactum* Tunis, DE PEYERIMHOFF (55) Paris Bull. Soc. entom. **1906, sp. n.**

Trichopteryx fascicularis, larva noticed, MJÖBERG (141) Zs. wiss. Insektenbiol. **2**.

HISTERIDAE.

Abraeus setiger Portuguese Guinea, LEWIS (405) Genova Ann. Mus. **42, sp. n.**

Apobletes marginicollis and *schaumi* distinguished, LEWIS (339) Ann. Mag. Nat. Hist. **17**; *A. runensis* New Guinea, id., l.c., **sp. n.**—*A. excavatus* Nilgiri hills (182), *mitis* Madagascar (183), LEWIS Op. cit. **18, spp. n.**—*A. macer* Gulf of Guinea, LEWIS (399) Genova Ann. Mus. **42, sp. n.**

Asolenus **gen. n.**, type *Notolister sanguinosus*, LEWIS (189) Ann. Mag. Nat. Hist. **18**.

Atholus; a valid genus, characters and components, LEWIS (402) T.c. — *A. quatuordecimstriatus* distinguished from *duodecimstriatus*, LEWIS (255) Ent. Mag. London **42**.

Contipus oblongus Pretoria (340), *immarginatus* Somaliland (341), LEWIS, Ann. Mag. Nat. Hist. **17, spp. n.** —*C. fractistrius* (185), *proximus* (186), W. Africa, LEWIS Op. cit. **18, spp. n.**—*C. sinuosus* Portuguese Guinea, LEWIS (399) Genova Ann. Mus. **42, sp. n.**

Epiglyptus **gen. n.** for *Hister costalus* Mars., LEWIS (342) Ann. Mag. Nat. Hist. Ser. 7, **17**.

Epitoxus haeres Portuguese Guinea, LEWIS (403) Genova Ann. Mus. **42, sp. n.**

Grammostethus **gen. n.** for part of *Hister* (400), *sinensis* **sp. n.** Ichang (401), LEWIS Ann. Mag. Nat. Hist. Ser. 7 **18**.

Hister fractistrius Burma (342), *sodalis* Yunnan (343), LEWIS Op. cit. **17, spp. n.**—*H. aeneus* Angola, LEWIS (186) Op. cit., **sp. n.**—*H.* (*Phelister*) *gentilis* Horn, LEWIS (403) T.c.—*H. bipustulatus* Schr. = (*fimetarius* Hbst.), *H. daldorffi* **nom. n.** (Bedel) for *bipustulatus* Fabr., BEDEL (91) Paris Bull. Soc. ent. **1906**.

Hololepta sternalis Ashanti, LEWIS (337) Ann. Mag. Nat. Hist. Ser. 7 **17, sp. n.**

Idister mendax Mentawei island, LEWIS (184) Op. cit. **18, sp. n.**

Lioderma patulum Peru, LEWIS (181) T.c., **n. sp.**

Liopygus punctatus Lombok, LEWIS (340) Op. cit. **17, sp. n.**—*L. andrewesi* Nilgiri Hills, LEWIS Op. cit. (398), **sp. n.**

Microlister **gen. n.** near *Hister*, *coronatus* **sp. n.** Fernando Po, LEWIS (400) Genova Ann. Mus. **42**.

Notolister, characters; *N. unistrius* (187), *catenatus* (188), *ovatus* (189), Madagascar, **spp. n.**, LEWIS Ann. Mag. Nat. Hist. Ser. 7 **18**.—*N. nodicornis* Madagascar, LEWIS (344) Op. cit. **17, sp. n.**

Pachycraerus laticeps E. Africa, LEWIS (190) Op. cit. **18, sp. n.**—*P. nigrans* (402), *frontalis* (403), Africa occ., LEWIS Genova Ann. Mus. **42, spp. n.**

Pachylister pygidialis Yunnan, LEWIS (399) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**

Paromalus longicornis Gulf of Guinea, LEWIS (401) Genova Ann. Mus. **42, sp. n.**

Pelorurus feae Portuguese Guinea, LEWIS (404) T.c., **sp. n.**—*P. ruptistrius* Abyssinia, LEWIS (190) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**

Peranus **gen. n.** for part of *Hister*, Lewis (401) T.c.

Plaesius bengalensis Darjiling (338), *ruptistrius* New Guinea (339), Lewis Op. cit. **17, spp. n.**—*P. edentulus* New Britain, Lewis (182) Op. cit. **18, sp. n.**

Platylister placitus New Guinea, Lewis (184) T.c., **sp. n.**—*P. niponensis* Japan, Lewis T.c. (398), **sp. n.**

Platysoma sibiricum and *deplanatum* distinguished, Lewis (340) Op. cit. **17.**

Santalus **gen. n.** for part of *Hister*, type *piraticus* Lew., Lewis (341) T.c.—*S. piraticus* Lew. (399) fig. 1, Lewis Op. cit. **18.**

Spathochus coyei var. n. *nigrinus*, Palästina, Reitter Entomol. Ztg. Wien **25** (32).

Spilodiscus **gen. n.** for part of *Hister*, type *arcuatus* Say, Lewis (343) Ann. Mag. Nat. Hist. ser. 7 **17.**—*S. arcuatus* Say, Lewis (399) fig. 3 Op. cit. **18.**

Teretrius rectistrius Madagascar, Lewis (181) T.c., **sp. n.**

Zabromorphus **gen. n.** type *Hister pachysomus* Ancey, Lewis (399) T.c.

(*Abraeodes raddei* Reitt., Vorkommen in Siebenbürgen, Penecke, Entomol. Ztg., Wien, **20**, 1901 (11–21).)

(*Abraeus zoppae* sp. n., Siebenbürgen, Penecke, T.c. (11–21).)

(*Hister*-Arten mit abnormer Flügeldeckenstreifung, Penecke, T.c. (11–21).)

(*Xenonychus rotundatus*, Fiori, Naturalista sicil., Palermo, **18**, 1905, (4–7), sp. n.—*X. rotundatus Fiori* è sinonimo di *Saprinus coniungens* Payk., Fiori Naturalista sicil. Palermo **18** (96).)

Nitidulidae.

Amphicrossus fairmairei Madagascar, Grouvelle (82) Paris Ann. Soc. ent. **75, sp. n.**

Amystrops **gen. n.** voisin de *Mystrops*, *modiglianii* (312), *punctatus* (313), Sumatra, **spp. n.**, Grouvelle Genova Ann. Mus. **42.**

Brachypeplus (*Leiopeplus*) *plagiatipennis* Madagascar, Grouvelle (67) Paris Ann. Soc. ent. **75, sp. n.**—*B. rufopiceus* (308), *undulatus* (309), Nouvelle Guinée, Grouvelle Genova Ann. Mus. **42, spp. n.**

Carpophilus piceus Madagascar, Grouvelle (72) Paris Ann. Soc. ent. **75, sp. n.**—*C. proximus* Paraguay (310), *loriae* Nouvelle Guinée (311), Grouvelle Genova Ann. Mus. **42, spp. n.**

Cillaeus ambiguus (= *castaneus* Murray), *alluaudi*, *argodi*, (69), *rufulus*, *fairmairei*, (70), Madagascar, Grouvelle Paris Ann. Soc. ent. **75, spp. n.**

Circopes bimaculatus, *decorsei*, (80), *pubescens*, *tomentosus*, (81), Madagascar, Grouvelle T.c., **spp. n.**

Colastus centralis Costa Rica, Grouvelle (113) Rev. ent. Caen **25, sp. n.**

Cryptarcha sicardi Madagascar, Grouvelle (93) Paris Ann. Soc. ent. **75, sp. n.**

Cychramus beccarii Celebes, Grouvelle (324) Genova Ann. Mus. **42, sp. n.**

Epuraea parvula, pabulum is *Daldinia concentrica*, Bagnall (229) Ent. Mag. London **42.**—*E. pusilla* subsp. n., *bickhardtii*, Bickhardt Entomol. Ztg. Wien **25** (294).—*E. ragusae* **sp. n.** Sicilien, Reitter Natural. sicil. **18** (219).—*E. propinqua* (315), *emarginata* (316), Birmanie, Grouvelle Genova Ann. Mus. **42, spp. n.**

Haptoncus opaculus Timor (317), *murrayi* Iles Mentawei, *nigritulus* Sumatra, (318), *insularis* Timor (319), *sordidus* (320), *gestroi* (321), Nouvelle Guinée, Grouvelle T.c., **spp. n.**—*H. picinus* (73), *dispersus* (74), Madagascar, Grouvelle Paris Ann. Soc. ent. **75, spp. n.**

Ips 4-*pustulata* metamorphosis, Mjöberg (2–6) pl. i figs. 1–3 Uppsala Arkiv. Zool. **3** No. 6.

Labromimus doriae Borneo, Grouvelle (331) Genova Ann. Mus. **42, sp. n.**

Meligethes atomus, *instabilis*, Madagascar, Grouvelle (78) Paris Ann. Soc. ent. **75, sp. n.**

Meligethinus **gen. n.**, entre *Pria* et *Meligethes*, *humeralis* **sp. n.** Angola, Grouvelle (202) Paris Bull. Soc. ent. **1906.**

Neopocadius **gen. n.** near *Lasiodactylus*, *nitiduloides* **sp. n.** Argentina, Grouvelle (214) T.c.

Nitidula carnaria, pupa, MJÖBERG (7) pl. i f. 4 Uppsala Arkiv. Zool. **3** No. 6.

Pallodes loriae (327), *beccarii* (328), *misellus, gestroi*, (329), Nouvelle Guinée, *opacus* Iles Arou (333), GROUVELLE Genova Ann. Mus. **42, spp. n.**—*P. orthogonius, scutatus*, (84), *sicardi* (85), *aestimabilis, nitidus*, (86), *nigrocyaneus* (87), *militaris, aterrimus*, (88), *niger* (89), *perrieri* (90), *scutellaris* (91), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75, spp. n.**

Perilopa seriata Amazons, GROUVELLE (114) Rev. Ent. Caen **25, sp. n.**

Platychorinus **gen. n.** voisin des *Aethina, dilutus* **sp. n.** Ile Damma, GROUVELLE (201) Paris Bull. Soc. ent. 1906.

Pocadites bouchardi Borneo, GROUVELLE (323) Genova Ann. Mus. **42, sp. n.**

Pria crassa (75), *pygidialis* (76), *parvula* (77), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75, spp. n.**

Prometopia bisignata Ternate, GROUVELLE (322) Genova Ann. Mus. **42, sp. n.**—*P. marginata* Cambodia, GROUVELLE (115) Rev. Ent. Caen **25, sp. n.**

Pseudocamptodes fulviceps Nouvelle Guinée (325), *punctatus* Java (326), GROUVELLE Genova Ann. Mus. **42, spp. n.**

Pseudostelidota **gen. n.** (115), *setosa* Brazil **sp. n.** (116), GROUVELLE Rev. Ent. Caen **25.**

Rhizophagus parallelocollis, in skeleton in grave, JOY (256) Ent. Mag. London **42.**—*R. perforatus* on mouldy bone, DE LA GARDE (231) Ent. Mag. London **42.**—*R. tauricus* = (*lanatus* Fairm.), BEDEL (92) Paris Bull. Soc. ent. **1906.**

Stelidota vicina Argentine, GROUVELLE (332) Genova Ann. Mus. **42, sp. n.**

Strongylus fairmairei **nom. n.** pro *S. ruficeps* Fairmaire, *S. sicardi* **sp. n.** Madagascar, GROUVELLE (83) Paris Ann. Soc. ent. **75.**

(*Rhizophagus brancsiki*, Herzegowina, Südbosnien, REITTER, Entomol. Ztg., Wien, **24,** 1905, (312), **sp. n.**)

MONOTOMIDAE.

Bactridium humile Key isld. (122), *parvum* Sumatra (123), GROUVELLE Rev. Ent. Caen **25, sp. n.**

Europs crenicollis Madagascar, GROUVELLE (127) Paris Ann. Soc. ent. **75, sp. n.**—*E. gestroi* Nias isld. (119), *mariae* Sumatra (120), GROUVELLE Rev. Ent. Caen **25, sp. n.**

Mimemodes frigidus New Guinea, GROUVELLE (121) T.c., **sp. n.**

Monotoma madagascariensis Madagascar, GROUVELLE (126) Paris Ann. Soc. ent. **75, sp. n.**

TROGOSITIDAE.

(*Acrops perraudieri*, LÉVEILLÉ, Paris, Ann. Soc. ent., **74,** sp. n.)

(*Airora vicina, ferruginea*, LÉVEILLÉ, T.c. spp. n.)

(*Ancyrona brunnea, A. elongata*, FAIRMAIRE, Paris, Ann. soc. ent., **74,** spp. n.)—*A. feai, Congolensis, brunneslimbata, javanica*, LÉVEILLÉ, Paris, Bul. soc. ent., **1905,** spp. n.)

(*Corticotomus sharpi*, LÉVEILLÉ, Paris, Ann. soc. ent., **74,** sp. n.)

(*Lophocateres gounellei*, LÉVEILLÉ, Paris, Bul. soc. ent., **1905,** sp. n.)

(*Temnochila grilloi*, LÉVEILLÉ, T.c. sp. n.)

(*Tenebroides boggianii*, LÉVEILLÉ, T.c. sp. n.—*T. similis, nigro-cyaneus, passeti*, LÉVEILLÉ, T.c. spp. n.)

COLYDIIDAE.

Caprodes perrieri Madagascar, GROUVELLE (104) Paris Ann. Soc. ent. **75,** sp. n.

Cautomus armatus Madagascar, GROUVELLE (115) T.c., **sp. n.**

Cerylon solidum, insulare, (111), *singulare* (112) pl. vii f. 8, *perrieri* (113), Madagascar, GROUVELLE T.c., **spp. n.**

Cicones insularis to *Diplotoma*, GROUVELLE (104) T.c.

Colydium antennatum and *giganteum* Kr. to *Mecedanum*, GROUVELLE (107) T.c.

Diplotoma transvaalica to *Caprodes*, GROUVELLE (104) T.c.

Ditomoidea **gen. n.** near *Endophlocus, alluaudi*, (94), *fairmairei, tuberosa*, (95), **spp. n.**, Madagascar, GROUVELLE T.c.

Eudesmula **nom. n.** for *Eudesma* Lec., COCKERELL (241) Ent. News **17.**

Leptoglyphus orientalis Sumatra, GROUVELLE (117) Rev. Ent. Caen **25, sp. n.**

Mecedanum carinifrons (105), *punctatum* (106), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75, spp. n.**

Metacerylon **gen. n.**, *parallelum* **sp. n.** Madagascar, GROUVELLE (110) T.c.

Philothermus seminiger Madagascar, GROUVELLE (115) T.c., **sp. n.**

Phloeodalis reitteri Cayenne, GROUVELLE (123) Rev. Ent. Caen **25, sp. n.**

Rhechodes spinosus (96), *dorsalis* (97), *sicardi*, *interruptus*, (98), *fairmairei* (99), *brevicornis* (100), *minimus* (101), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75, spp. n.**

Sosylus = (*Metapiestes* Pasc. = (*Pyenocephalus* Kr.), *S. bistriatus* Fairm. = (*P. angustus* Kr.), GROUVELLE (109) T.c.—*S. frater* (107), *carinifrons* (108), Madagascar, GROUVELLE T.c., **spp. n.**

(*Cautomus monstruosus*, GROUVELLE, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Helioctamenus lusitanicus*, REITTER, Entomol. Ztg., Wien, **22**, 1903, (174), sp. n.)

CUCUJIDAE.

Hemipeplus madagascariensis Madagascar, GROUVELLE (116) Paris Ann. Soc. ent. **75, sp. n.**

Inopeplus angulicollis Tasmania pl. xviii f. 6, LEA (218) Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**—*I. major* Madagascar, GROUVELLE (117) Paris Ann. Soc. ent. **75, sp. n.**

Laemophloeus brevipennis (119), *alluaudi*, *mirificus*, (120), *perrieri* (121), *fairmairei* (122), Madagascar, GROUVELLE T.c., **spp. n.**—*L. integer* Nias isld., GROUVELLE (118) Rev. Ent. Caen **25, sp. n.**

Shoguna sicardi Madagascar, GROUVELLE (125) Paris Ann. Soc. ent. **75, sp. n.**

(*Laemophloeus* (*Silvanophloeus*) *mirus*, Madagascar, GROUVELLE, Paris, Bul. Soc. ent., **1905**, sp. n.).

CRYPTOPHAGIDAE.

Metamorphoses of several species, XAMBEU Naturaliste 1906 (101–103, 120–121).

Cryptophagus subfumatus metamorphosis, MJÖBERG (14) pl. v figs. 5 and 6 Uppsala Arkiv. Zool. **3** No. 6.

Diphyllus alluaudi, *undulatus*, (128), *magnus* (129), *maculatus*, *concolor*, (130), *canaliculatus* (131), *variegatus* (132), *sordidus*, *parvulus*, (133), *vnotatus* (134), *histrio* (135), *sicardi* (136), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75, spp. n.**

Hapalips alluaudi Madagascar, GROUVELLE (138) T.c., **sp. n.**

Henoticus germanicus **sp. n.** Koblenz, REITTER, Entomol. Ztg. Wien **25** (231).

Micrambe consors, *opaculus*, (140), *moaestus*, *apicalis*, (141), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75, spp. n.**

Paramecosoma breve Madagascar, GROUVELLE (139) T.c., **sp. n.**

LATHRIDIIDAE.

Corticaria denticulata, copula, MJÖBERG (13) Uppsala Arkiv. Zool. **3**, No. 6.

Dasycerus ionicus var. n. *italica*, PIC (9) Echange **22**.

Lathridius dolichocephalus W. Australia, *obsoletus*, (220), *denticollis*, *serratus*, (221), Tasmania, LEA Sydney N.S.W. Proc. Linn. Soc. **31, spp. n.**

Metophthalmus (*Bonvouloiria*) *kabylianus* **sp. n.** Algier, CHOBAUT Entomol. Ztg. Wien **25** (256).

(*Coluocera fleischeri* Dalmatien, REITTER. Entomol. Ztg, Wien, **21**, 1902, (1–9, mit 1 Taf.). sp. n.)

(*Dasycerus beloni*, *numidicus*, Algérie, PIC, Rev. ent., Caen, **24**, 1905, spp. n.)

(*Enicmus anatolicus*, *E. varendorffi*, Griech. (234), REITTER, Entomol. Ztg, Wien, **22**, 1903, spp. n.)

MYCETOPHAGIDAE.

Berginus madagascariensis Madagascar, GROUVELLE (144) Paris Ann. Soc. ent. **75, sp. n.**

Litargus insolitus (142), *madagascariensis* (143), Madagascar, GROUVELLE T.c., **spp. n.**

(*Satorystia* gen. n., *meschniggi*, Ungarn, (243), REITTER, Entomol. Ztg, Wien, **24**, 1905, (243).)

THORICTIDAE.

(*Thorictus peyerimhoffi*, Arabie, CHOBAUT, Paris, Bul. soc. ent., **1904**, (243–245), sp. n.)

DERMESTIDAE.

Dermestes, characters of larvae, XAMBEU (199–202, 214–216) Naturaliste 1906.—*D. haemorrhoidalis*, early stages, MJÖBERG (9–11) Uppsala Arkiv. Zool. **3** No. 6.

Hadrotoma corticalis var. n. *semilimbata*, PIC (9) Echange **22**.

(*Dermestes murinus* subvar. n. *auriceps*, Ostsibirien, REITTER, Entomol. Ztg. Wien, **24**, 1905, (244).)

BYRRHIDAE.

Curimus anatolicus Asia Minor, GANGLBAUER (275) Wien Ann. Hofmus. **20, sp. n.**

Morychus heteromerus vide *Caediomorpha* in *Tenebrionidae*.

PARNIDAE.

Ancyronyx humeralis Kilimandjaro, GROUVELLE (328) Paris Ann. Soc. ent. **75, sp. n.**

Dryops rufiventris Madagascar, GROUVELLE (147) T.c., **sp. n.**—*D. brevitarsis* Kilimandjaro, GROUVELLE (316) T.c., **sp. n.**

Dupophilus insignis Reitt., Beschreibung, REITTER Entomol. Ztg. Wien **25** (21).

Elmidolia soror (150), *sordida* (151), *stulta*, *crassa*, (152), *odiosa*, *conspecta*, (156), *conspicua* (157), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75, spp. n.**

Elmis volkmari Panz. neu für St. Peterburg. MAZARAKIJ St. Peterburg Hor. Soc. Ent. Ross. **37** (xcvii–xcix).

Helminthocharis **gen. n.**, *picea* **sp. n.** Kilimandjaro, GROUVELLE (321) Paris Ann. Soc. ent. **75.**

Helminthopsis, **gen. n.**, *lucida*, (319), *dissimilis* (320), **spp. n.**, Afrique or., GROUVELLE T.c.

Helmis fossulata, a valid sp., SAINTE-CLAIRE DEVILLE Abeille Paris **30** (238).—*H. subfuliginosa* Madagascar, GROUVELLE (149) Paris Ann. Soc., ent. **75, sp. n.**

Latelmis cecconii **sp. n.** Italien, REITTER Entomol. Ztg. Wien **25** (239).

* *Limnius trilineatus* Madagascar, GROUVELLE (148) T.c., **sp. n.**

Lobelmis subnigra Kilimandjaro, GROUVELLE (318) T.c., **sp. n.**

Microdes sinensis Yunnan, GROUVELLE (125) Rev. Ent. Caen **25, sp. n.**

Microdinodes **gen. n.**, *quadrifasciatus*, (324), *melaenus* (325), **spp. n.**, Afrique or., GROUVELLE Paris Ann. Soc. ent. **75.**

Pachyelmis silvatica (157), *ingens*, *regimbarti*, (153), *obliqua* (159), Madagascar, GROUVELLE T.c., **spp. n.**—*P. amoena* Kilimandjaro, GROUVELLE (322) T.c., **sp. n.**

Potamodytes latus, *perrieri*, Madagascar, GROUVELLE (145) T.c., **spp. n.**—*P. oxyptera* and *abdominalis* distinguished, GROUVELLE T.c. (146).

Pseudomacronychus **gen. n.** (326), *castaneus* **sp. n.** Afrique or. (327), GROUVELLE T.c.

Stenelmis alluaudi Kilimandjaro, GROUVELLE (317) T.c., **sp. n.**

HETEROCERIDAE.

Heterocerus laevigatus, metamorphosis, KLUNZINGER Verh. D. zool. Ges. **16** (218–222).—*H. fluviatilis* Italia, FIORI Riv. Col. ital. **4** (257), **sp. n.**—*H. montanus* (163), *fairmairei*, *alluaudi*, (164), *vulpes* (165), *perrieri* (166), *dubitabilis* (167), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75, spp. n.**—*H. ornatus* (329), *inguinatus* (330), Afrique or., GROUVELLE T.c , **spp. n.**

(*Heterocerus* (*Littorimus*) *conjungens*, GROUVELLE, Mission Pavie, **3**, sp. n.)

LUCANIDAE.

Zur Systematik und Nomenclatur der Lucaniden, ZANG D. ent. Zs. Berlin **1906** (93–95).

Lucanidi raccolti nell' Africa occidentale, 7 spp., variation and sexes, GRIFFINI Genova Ann. Mus. **42** (135–148).

Aegus acuminatus var. n. *mandibularis*, MÖLLENKAMP Ent. Zs. Guben **20** (156, 170, 171).—*A. latidens* Schauf., omitted from Munich Catalogue, ZANG (94) D. ent. Zs. Berlin 1906.

Allotopus moseri **sp. n.** Malakka, MÖLLENKAMP (211) Ent. Zs. Guben **20.**

Ceratognathus and *Mitophyllus*, synonymy of species, *M. parryanus* = (*zealandicus* Br.), ZANG (95) D. ent. Zs. Berlin 1906.

Cyclommatus incognitus **sp. n.** Perak, MÖLLENKAMP Insektenbörse **23** (31–32).—*C. rangifer* = (*tarandus* Thunb.) ZANG (94) D. ent. Zs. Berlin 1906.

Dorcus meeki New Guinea, BOILEAU (92) fig. 1 Naturaliste 1906, **sp. n.**—*D. opacipennis, rosti*, Kaschmir ZANG (184) D. ent. Zs. Berlin 1906, **spp. n.**—*D. suturalis* Westw. = (*opacipennis* Zang) ZANG T.c., (327).

Hexarthrius buqueti, variation, GRIFFINI Zool. Anz. Leipzig **30** (899–905).

Lucanus cervus, kämpfend, AMMANN Natur u. Glaube Leutkirch **9** (139–140).—*L.*, nymph, PLANET (209) fig. 1 Naturaliste 1906.

Mesotopus, taxonomy, ZANG (93) D. ent. Zs. Berlin 1906.

Metopodontus hacquardi, FELSCHE (352) D. ent. Zs. Berlin 1906.—*M. hacquardi* = (*umhangi* Fairm.) ZANG (93) D. ent. Zs. Berlin 1906.—*M. magnificus* Australia **sp. n.**, *torresensis* var. n. *flavoguttatus*, *bison* var. n. *tumidicollis*, MÖLLENKAMP Insektenbörse **23** (31–32).

Odontolabis lowei, variation, GRIFFINI Milano Atti Soc. ital. **45** (111–139).—*O. ludekingi* var. n. *robustus*, ROON (271) pl. xiii 's Gravenhage Tijdschr. Ent. **49.**—*O. signatipennis* **sp. n.** Sumatra, *O. ludekingi* var. n. *monticola*, MÖLLENKAMP (170) Ent. Zs. Guben **20.**

Platycerus opacus **sp. n.** California, FALL (393) Ent. News **17.**

(*Ceratognathus macrognathus, flabellatus* spp. n., BOILEAU, Naturaliste, **27**, 1905, (176).)

(*Cyclommatus imperator, lunifer*, BOILEAU, T.c. (176), spp. n.

(*Dorcus* (*Eurytrachelus*) *brachycerus*, BOILEAU, Paris, Bul. Soc. ent., **1904**, (27–28), sp. n.—*D.* (*Macrodorcus*) *rugosus*, BOILEAU, Paris, Bul. Soc. ent., **1904**, (39–40), sp. n.)

(*Eurytrachelus* (*Serrognathus*) *titan typhon* var. n., BOILEAU, Naturaliste, **27**, 1905.)

(*Lissotes cornutus*, BOILEAU, T.c. (176), sp. n.)

(*Metopodontus biplagiatus nigripes* var. n., BOILEAU, T.c.)

(*Nigidius helleri, impressicollis, lewisi, baeri, bonneuili*, BOILEAU, T.c. spp. n.)

(*Odontolabis parryi*, BOILEAU, T.c. sp. n.)

(*Aegus jansoni*, BOILEAU, T.c. sp. n.)

(*Prosopocoelus laminifer* sp. n., BOILEAU, T.c. (176).)

(*Pseudolucanus lesnei* PLANET, Naturaliste, Paris, **27**, 1905, (212–213, av. fig.), sp. n.)

(*Syndesius macleayi, punctatus*, BOILEAU, Naturaliste, **27**, 1905, spp. n.)

PASSALIDAE.

Notes on classification and synonymy, with corrections of Kuwert, etc., ARROW (441–451) London Trans. ent. Soc. 1906. Annotated list of types in the Oxford Museum, T.c. (444, 445).

Basilianus; revision, ZANG (176–183) D. ent. Zs. Berlin 1906.

Cetejus sodalicius **sp. n.** Neu Guinea, ZANG Wichmann Nova Guinea **5** (25).

Chilomazus borealis Assam, ARROW (467) London Trans. ent Soc 1906, **sp. n.**

Didymus curvilineatus E. Africa (462), *congoensis* W. Africa, *laevisternus* E. Africa, (463), *ruwenzoricus* (464), *crassus*, (465), Uganda, ARROW T.c., **spp. n.**

Epiphoroneus **gen. n.** (445), *occipitalis* Esch. = (*tetragonus* Hope = *quadrifrons* Perch.) (460) ARROW T.c.

Erionomus platypleura E. Africa, ARROW (461) T.c., **sp. n.**

Eumelosomus affinis Uganda, ARROW (465) T.c., **sp. n.**—*E.* aloysii-*sabaudiae*, Ruwensori, PANGELLA Torino Boll. Musei zool. anat. **21** N. **540, spp. n.**

Eumelus nasutus Ecuador, ARROW (459) London Trans. ent. Soc. 1906, **sp. n.**

Leptaulacides papuanus (23), *analis* (24), **spp. n.**, Neu Guinea, ZANG Wichmann Nova Guinea **5**.—*L. pulchellus* New Guinea, ARROW (466) London Trans. ent. Soc. 1906, **sp. n.**

Neleides antillarum Grenada, ARROW (452) T.c., **sp. n.**

Oileus, synonymy and species, ARROW (448) T.c.

Petrejus archidonae Ecuador, *peruvianus* Peru, (456), *spinosus* Ecuador, (457), ARROW T.c., **spp. n.**

Tetraracus centralis Costa Rica, ARROW (458) T.c., **sp. n.**

Triaenurgus solidus Guatemala, ARROW (452) T.c., **sp. n.**

Veturius isthmicus Costa Rica (453), *punctatostriatus* Brit. Guiana (454), *peruvianus* Peru (455), ARROW T.c., **spp. n.**

SCARABAEIDAE.

Tableaux de détermination des Lamellicornes de France, LE COMTE, Nîmes, Bul. soc. étud. sci. nat., **33**, 1906, (136–141).

Locomotor organs of larvae, LEISEWITZ.

Coprini.

Aus dem Leben der Dungkäfer, KOLBE Aus d. Natur Stuttgart **1** 1906 (641–648, 678–685, 722–729).

Synonymic catalogue of *Geotrupidae*, (1–44) BOUCOMONT.

Aphodius basalis, **nom. n.** for *plagiatus* Raffr., *ballioni*, **nom. n.** for *thoracicus* Roth, SCHMIDT (410) D. ent. Zs. Berlin 1906.—*A. bonnairei* (*cuniculorum* May.), BEDEL (92) Paris Bull. Soc. ent. 1906. —*A. edithae* Ordubad, *stolzi* Corfu, *bachofeni* Turkestan, **spp. n.**, REITTER D. ent. Zs. **1906** (435–442).—*A.* (*Mellinopterus*) *meuseli* **sp. n.** Sibiren, REITTER Entomol. Ztg. Wien **25** (32).—*A. prodromus* var. n. *weberi* (436), *comma* var. n. *incomma* (440), REITTER D. ent. Zs. **1906**.—*A. Amidorus zangi* Orenburg, *figuratus* Turkestan, **spp. n.**, SCHMIDT D. ent. Zs. **1906** (410–411).

Ateuchus; Verirrungen des Instinkts, FAUSSEK St. Peterburg Hor. Soc. Ent. Ross. **37** (lxxix).—*A. sacer*, Instinkt FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27** (1 + 1-192 + 1) mit 64 Abb. i. T. u. 4 Taf.

Bolboceras gallicum, mœurs du, BÉGUIN Paris Bul. soc. ent. **1906** (93–94); *Bolboceras gallicum*, MOLLANDIN Paris Bull. soc. ent. **1906** (178).—*B. Stenaspidius ruficornis* **sp. n.** N. S. Wales D. ent. Zs. **1906** (452).

Bolbocerosoma, **gen. n.** for *Scarabaeus farctus* Fabr., SCHAEFFER (254) Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**

Bradycinetulus, **nom. n.** = *Bradycinetus* Horn, COCKERELL (242) Ent. News **17.**

Bradycinetus carinatus **sp. n.** (251), *serratus* var. n. *peninsularis* (252), SCHAEFFER Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**

Copris arizonensis **sp. n.** Huachuca mts., SCHAEFFER (254) T.c.—*C. draco* W. Africa, ARROW (127) Ann. Mag. Nat. Hist. ser. 7, **18, sp. n.**—*C. lunaris* Moskau, SEMENOV Rev. russ. ent. **6** (24–25).

Coptorrhina angolensis Huilla, ARROW (129) Ann. Mag. Nat. Hist. ser. 7, **18, sp. n.**

Eurypodea, **gen. n.**, near *Phanaeus fredericki* **sp. n.** Venezuela, Klages Scarab. south Venez.

Geotrupes; stridulation, SCHOLZ Insektenbörse **23** (86–87).

Heliocopris cuneifer Abyssinia, LESNE (505) Bul. Mus. Paris 1906, **sp. n.**

Idiostoma landbecki Phil. (as *Oryctes?*) = (*Phyllognathus paulseni* and *simplicifrons* Fairm., FELSCHE (350) D. Ent. Zs. 1906.

Lethrus apterus, Lebensweise und Metamorphose, SCHREINER St. Peterburg Hor. Soc. Ent. Ross. **37** (197–208) mit Taf. I.

Notocaulus laticollis Angola, ARROW (130) Ann. Mag. Nat. Hist. ser. 7 **18**, sp. n.

Ochodaeus planifrons (269), *inarmatus* (270), Arizona, *estriatus* California (271), SCHAEFFER Canad. entomol. **38**, spp n.

Onitis aethiops Abyssinia, LESNE (106) Bul. Muséum Paris 1906, **sp. n.**

Onthophagus grossepunctatus und *ovatus*, Kopulationsapparat, MÜLLER Entomol. Ztg. Wien **25** (151).—*O. macleayi* ♂, *bipustulatus* characters, BLACKBURN (263) Adelaide S. Aust. Trans. R. Soc. **30**.—*O. tissoni* **sp. n.** Syrien, REITTER Entomol. Ztg. Wien **25** (33).—*O. curvifrons* **sp. n.** Liberia, ORBIGNY Leiden Notes Mus. Jentink **28** (134–136).—*O. vulpinaris* **sp. n.** Neu Guinea, SCHÖNFELDT Nova Guinea Leide **5** Livr. 1 (29).

Orphnus cf. *Phyllognathus* in *Dynastini*.

Phycochus sulcipennis and *granicepsi*, eyes, LEA (222) Sydney N.S.W. Proc. Linn. Soc. **31**.

Pleocoma hoppingi **sp. n.** California, FALL (394) Ent. News **17**.

Silphodes dispar Westw., ARROW (130) Ann. Mag. Nat. Hist. ser. 7 **18**.

Thorectes: list of european, FRANÇOIS (251, 252) Abeille **30**.

The following *Coprini* have been previously recorded in the Zoological Record:—

(*Allotrypes* subgen. n., near *Thorectes*, FRANCOIS, Paris, Bul. soc. ent., **1904**.)

(*Aphodius* (*Esymus*) *cuniculorum*, MAYET, Paris, Bul. soc. ent., **1904**, (130–132), sp.n.—*A. blaisdelli*, *knausii*, Kansas and California, FALL, Ent. News, **16**, 1905, (129–131), spp. n.)

(*Bolboceras tacumonensis*, BOUCOMONT, Paris, Bul. Soc. ent., **1903**, (260–261), sp. n.)

(*Caccobius globaticeps*, *mixtus*, *biceps*, *semiluteus*, *postlutatus*, *semiaeneus*, *luridens*, D'ORBIGNY, Paris, Ann. soc. ent., **74**, 1905, spp. n.)

(*Coptochirus haemonius*, Saloniki, REITTER, Entomol. Ztg, Wien, **22**, 1903, (176), sp. n.)

(*Geotrupes genestieri*, BOUCOMONT, Rev. ent. Caen, **23**, 1904, sp. n.—*G.* (*Thorectes*) *punctatolineatus*, FRANCOIS, Paris, Bul. Soc. ent., **1904**, (139–143), sp. n.

(*Odontotrupes* subgen. n., *purpureipunctatus*, *taurus*, *rufipes*, spp. n. BOUCOMONT, Rev. ent. Caen, **23**, 1904.)

(*Onthophagus ovatus* var. n., *grossepunctatus*, Süddalmatien, Südfrankreich, REITTER, Entomol, Ztg, Wien, **24**, 1905, (245).—*O.* (*s. str.*) *masaïcus*, *mixtidorsis*, *aequepubens*, *bituberans*, *laminosus*, *pullatus*, *rotundatus*, *nimbatus*, *crucenotatus*, *quadrinotatus*, *nigriventris*, *subrugosus*, *triimpressus*, *aerolatus*, *longulus*, *amplipennis*, *trirugatus*, *bifrons*, *geminifrons*, *camerunicus*, *mirifrons*, *sinuosicollis*, *chalcochlorus*, *ustus*, *clavisetis*, *limbibasis*, *pulchellus*, *spurcatus*, *simulator*, *micropunctatus*, *viviensis*, *laevissimus*, (n.n. = *laevis* d'Orbigny), *flavipennis*, *laterittatus*, *breviculus*, *boops*, *trichopygus*, *pallidus*, *alternceater* (♂ de *O. foliaceus* Lansberge), *chloroderus*, *inermiceps*, *simpliciceps*, *variegranosus*, *longipilis*, *angolanus*, *cristatus*, *bicristatus*, *semigraniger*, *rufipodex*, *hilaris*, *decoratus*, *creber*, *polyedrus*, *informis*, *asperatus*, *dilutus*, *guttiger*, *rufipennis*, *semirubens*, *atrofasciatus*, *capillosus*, *miscellus*, *tenuistriatus*, *atrovirens*, (*Proagoderus*) *nasidens*, *fossidorsis*, *longefossus*, *atriclaviger*, *ignitus*, *rasidorsis*, *triunguliceps* (*Phalops*) *tuberosus*, *O. mixticeps*, *asperulus*, *clusifrons*, *chrysoderus*, *gibberosus*, *gibber*, *trifidisetis*, *altilamina*, *lobaticollis*, *stellioïdes*, *debilis*, *subocellatus*, *ocellatus*, *furculifer*, *bicornifer*, *inclusus*, *comatulus*, *ventrosus*, spp. n.; *pugionatus*, *rufus*, *quadraticornis*, *miricornis nigrans*, *gazella*, *lusinganus*, *nigricornis*, *metallites*, *atriclaviger*, *cyaneicollis*, *brucei*, *cyanopterus*, *sublaevis*. *atrochalceus*, varr. n., D'ORBIGNY, Paris, Ann. Soc. ent., **74**, 1905.)

(*Phelotrupes variolicollis*, *indicus*, *immarginatus*, *oberthuri*, *denticulatus*, BOUCOMONT, Rev. ent., Caen, **23**, 1904, spp. n.)

(*Rhyssemus sequensi* Obock, Cairo, REITTER, Entomol. Ztg., Wien, **22**, 1903, (176), sp. n.)

(*Thorectes armatus*, BOUCOMONT, Rev. ent., Caen, **23**, 1904, sp. n.)

Glaphyrini.

Amphicoma straussi Persia **sp. n.** (285), *A. fastuosa* var. n. *reitteri* (284), *distincta* and *vulpes* variation (289), GANGLBAUER Wien Ann. Hofmus **20**.

Melolonthini.

Amphimallus cantabricus Heyd. = (*felicitanus* Reitt.); *A. lusitanicus* Gyll. characters and synonymy; HEYDEN Entomol. Ztg. Wien **25** (246).—*A. tanyproctoides* **sp. n.** Persien, REITTER Entomol. Ztg. Wien **25** (34).

Anoxia rattoi Mogador, ESCALERA (162) Madrid Bol. Soc. espan. **6, sp. n.**

Araeohoplia **gen. n.** type *Pachycnema dekindti* Nonfr.; ARROW (131) Ann. Mag. Nat. Hist. Ser. 7 **18**.

Automolus and *Caulobius* (276, 277); *A. semitifer* (283), *pictus* (284), *operculus, irrasus,* (285), *major* (286), **spp. n.**, Australia; BLACKBURN Adelaide S. Austr. Trans. R. Soc. **30**.

Caulobius immitis (289), *rotundus* (290), Australia, BLACKBURN T.c., **spp. n.**

Coniopholis subnitida Natal (215), *capensis* Südafrika (216), **spp. n.**, NONFRIED Stettiner ent. Ztg. **67**.

Diphucephala, revision with synonymy and the following **spp. n.**:—*puberula* (272), *pulcherrima, rectipennis,* (273), *sordida* (274), *crebra, carteri,* (275), Australia; BLACKBURN Adelaide S. Austr. Trans. R. Soc. **30**.

Elaphocera brandeiroi **sp. n.** Portugal (119); *E. bedeaui* var. n. *molleri* (120); FLACH Entomol. Ztg. Wien **25**.

Haplonycha neglecta, antennalis, (304), *pilosa* (305), *trichopyga, latebricola,* (306), *spadix, marginata,* (307), *longior, sloanei,* (308), *accepta, punctatissima,* (309), *paradoxa* (310), *firma, clypealis,* (311), *amabilis* (312), *nobilis, amoena,* (313), *lucifera* (314), *mauricei* (315), *egregia, rustica,* (316), *arvicola* (317), *electa* (318), *sabulicola, aequaliceps,* (319), *thoracica, clara,* (320), *faceta* (321), *jungi* (322), Australia, BLACKBURN Adelaide S. Austr. Trans. R. Soc. **30, spp. n.**

Hemictenius drescheri **sp. n.** Buchara, REITTER Entomol. Ztg. Wien **25** (34).

Hoplia coerulea, histoire, DU BUYSSON Misc. ent. Narbonne **14** 1906 (1–8).—*H.* (*Decamera*) *fiorii* **sp. n.** Emilia, *H. meridionalis* var. n. *molise*, AMORE Riv. Col. ital. **4** (57–62).—*H. pentheri* Asia Minor, GANGLBAUER (282) Wien Ann. Hofmus. **20, sp. n.**

Hopliinae, use of incrassate legs; LONGSTAFF (93–95) London Trans. Ent. Soc. 1906.

Lachnosterna alpina ♀, KNAUS (148) Canad. Entomol. **38**.—*L. arkansana, pygidialis,* (257), *latidens* (258), SCHAEFFER Philadelphia Pa. Trans. Amer. Ent. Soc. **32, spp. n.**

Lepidiota haasei **sp. n.** Siam, NONFRIED (219) Stettiner ent. Ztg. **67**.

Leucopholis brenskei **sp. n.** Sumatra (216), *L. armata* var. n. *puluana* (217), NONFRIED T.c.

Listronyx antarcticus figs. 1 and 3, *hirsutus* figs. 2 and 4 pl. ii, BRENSKE (32) Résult. Belgica, Zoologie.

Melolontha; Schaden der Arten an Runkelrüden, POSPĚLOV Věst. sacharn. promyšl. **7** 1 (139–143).—*M.* Flugjahre seit 1890 in den Grossherzogl. Hessischen Oberförstereien, SCHUSTER Zool. Garten Frankfurt a. M. **47** (26–28).—*M. hippocastani* at Berlin, varr. statistics, WANACH (229–234) Berliner ent. Zs. **50**.

Nematophylla **gen. n.** near *Lachnosterna, rugosa* **sp. n.** Sumatra, ARROW (48) Ann. Mag. Nat. Hist. Ser. 7 **18**.

Octoplasia gigantea (49), *prolixa* (50), Borneo, ARROW T.c., **spp. n.**

Rhizotrogus (*Amphimallus*) *beauprei* Algérie, PIC (25) Echange **22, sp. n.**—*R. cicatricosus*, Aufenthaltsorte PREDIGER Insektenbörse **23** (88).—*R. praecox* **sp. n.** Umbria, LEONI (62) Rév. col. ital. **4, sp. n.**—*R. tschitscherini*, Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27** (1+1–192).

Schonherria brenskei **sp. n.** N.W. China, NONFRIED (219) Stettiner ent. Ztg. **67**.

Spaarmannia dekindti **sp. n.** Angola, NONFRIED (220) T.c.

Synclitopa sambesiana **sp. n.** Sambesi, NONFRIED (219) T.c.

(*Amphimallina* gen. n. (203), *jenrichi*, Uralfluss, sp. n., (204), REITTER, Entomol. Ztg, Wien, **24**, 1905.)

(*Chilotrogus* gen. n. (202), *panotrogoides*, Zentral-Persien, (203), sp. n., REITTER, T.c.)

(*Homaloplia fritschi*, Bosnien, REITTER, T.c. (201), sp. n.)

(*Hoplolontha* gen. n., *paviei*, FAIRMAIRE, Mission Pavie, **3**, sp. n.)

(*Lachnosterna pinguis*, FAIRMAIRE, T.c. sp. n.)

(*Pectinichelus chinensis* sp. n., REITTER, Entomol. Ztg, Wien, **24**, 1905, (202).)

Rutelini.

Anomala antennata New Mexico (1), *peninsularis* Lower California, *ludoviciana* Louisiana, (3), *tibialis* Texas (5), SCHAEFFER New York J. Ent. Soc. **14, spp. n.**—*A. cerea* (131), *funebris* (132), Angola, ARROW Ann. Mag. Nat. Hist. Ser. 7 **18, spp. n.**—*A. tigrina* **sp. n.** Sumatra, NONFRIED (221) Stettiner ent. Ztg. **67.**

Antichira nevinsoni Yurimaguas, FOWLER (98) Ent. Mag. London **42, sp. n.**

Nannopopillia damarae variation, ARROW (132) Ann. Mag. Nat. Hist. Ser. 7 **18.**

(*Adoretus drurei*, PIC, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Plusiotis beyeri*, Arizona, SKINNER, Ent. News, **16**, 1905, (289-292), sp. n.)

Dynastini.

Actinobolus radians Westw., Bemerkung, locality, sexes, HELLER D. ent. Zs. Berlin (96).

Anoplocephalus **gen. n.** *Cyclocephalides* (259), *cribrifrons* **sp. n.** Arizona (260), SCHAEFFER Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**

Astaborus and *Pycnoschema*, components, ARROW (134) Ann. Mag. Nat. Hist. Ser. 7 **18.**

Daemonoplus flohri Mexico (269), *pehlkei* Guatemala (273), **spp. n.**, KOLBE Stettiner ent. Ztg. **67.**

Dinoryctes **gen. n.** für *Oryctes truncaticollis* Fairm., FELSCHE D. ent. Zs. **1906** (351).

Dynastes tricornis, *lagaii*, **spp. n.**, Dominica, VERRILL (317) Amer. J. Sci. **21.**

Lonchotus muticus = *Heteronychus foveipennis* Fairm., *L. crassus* = (*lateretusus* Fairm.), FELSCHE (349) D. ent. Zs. Berlin 1906.

Megalosoma janus **sp. n.** Paraguay, FELSCHE T.c. (352).

Oryctes crampoli = (*ingens* Kolbe), STERNBERG (161) D. ent. Zs. Berlin 1906.—*O. cristatus* = (*crampeli* Fairm.), FELSCHE (351) D. ent. Zs. Berlin 1906. —*O. rhinoceros*, natural history, BANKS (143-154) pls. i-iv Philipp. J. Sci. **1.**

Pentodon dispar, synonymie, BEDEL (92) Paris Bull. Soc. ent. **1906.**

Phyllognathus cf. *Orphnus*, *P. pygmaeus* Nonfr. to *Orphnus*, FELSCHE (350) D. ent. Zs. Berlin 1906.

Pycnoschema cavifrons Abyssinia, LESNE (507) Bul. Mus. Paris 1906, **sp. n.** —*P. nigra*, *polita*, Angola, ARROW (133) Ann. Mag. Nat. Hist. Ser. 7 **18, spp. n.**

Strategus beckeri (14) pl. i f. i, *adolescens* (15) f. 2, *fallaciosus* (16) f. 3, Mexiko, *piosomus* hab.? (24) f. 5, *argentinus* Cordoba (24), *centaurus* Süd-Brasilien (29) f. 8, **spp. n.**, KOLBE Berliner ent. Zs. **51.**

Stypotrupes itys = (*Dichodontus renkeni* Nonfr.) FELSCHE (352) D. ent. Zs. Berlin 1906.

Xenodorus janus = (*Heteronychus paradoxus* Boh.) FELSCHE (349) T.c.

Xylotropes inarmatus Java **sp. n.**, STERNBERG D. ent. Zs. Berlin **1906** (172).

Cetoniini.

Habits of a few S. African *Ceton.*, LONGSTAFF (91-93) London Trans. ent. Soc. 1906.

Cetonia (*Potosia*) *affinis* et ses variétés, *albonotata* var. n., LE COMTE Paris Bull. soc. ent. **1906** (247-249).—*C. stictica*, NOEL Naturaliste Paris **28** (139).

Clerota parvula Sumatra, MOSER (276) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Dasyvalgus nigrofasciculatus, gilleti, Sarawak, MOSER (12) T.c., **spp. n.**—*D. tigrinus* Sumatra, MOSER (402) T.c., **sp. n.**

Digenethle subcostata New Guinea, MOSER, (274) T.c., **sp. n.**

Diploa tridens Angola, ARROW (136) Ann. Mag. Nat. Hist. Ser. 7 **18, sp. n.**

Glycyphana magnifica (400), *rubripes* (401), Solomon islands, MOSER Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Hybovalgus yunnanus Yunnan, MOSER (403) T.c., **sp. n.**

Ischiopsopha helleri New Guinea, MOSER (273) T.c., **sp. n.**—*I. cuprea* New Guinea (395), *bennigseni* New Pommerania (396), MOSER T.c., **spp. n.**

Leucocelis viridiventris E. Africa, MOSER (401) T.c., **sp. n.**

Lomaptera abdominalis New Guinea, MOSER (273) T.c., **sp. n.**—*L. wahnesi* New Guinea **sp. n.** (397), *abdominalis* ♀ (398), MOSER T.c.—*L. hackeri* (561), *macrosticta* (562), Queensland, LEA Sydney N.S.W. Proc. Linn. Soc. **31, spp. n.**

Myoderma pusilla Angola, ARROW (135) Ann. Mag. Nat. Hist. Ser. 7 **18, sp. n.**

Osmoderma revision; BEDEL Abeille **30** (253–258).

Pachnoda roseiventris E. Africa, MOSER (279) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Protaetia gregori Luzon, MOSER (278) T.c., **sp. n.**

Pseudochalcothea inermis, sumatrana, Sumatra, MOSER (275) T.c., **spp. n.**

Rhomborrhina ultramarinea Nepal (222), *laotica* Laos (223), **spp. n.**, NONFRIED Stettiner ent. Ztg. **67.**

Sisyraphora cicatricosa Burm., habitat and characters, ARROW (135) Ann. Mag. Nat. Hist. ser. 7 **18.**

Taeniodera madurensis India, MOSER (277) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*T. adspersa* Borneo (398), *vitticollis* Sumatra (399), MOSER T.c., **spp. n.**

Trichius dombrowskii **sp. n.** Birma, NONFRIED (224) Stettiner ent. Ztg. **67.**—*T. gallicus* = (*rosaceus* Kr.), *T. sexualis* **sp. n.** = (*gallicus* Reitt. nec Heer.), BEDEL (92) Paris Bull. Soc. ent. 1906.

Trichotarsus dohrni ♀, MOSER (595) Bruxelles Ann. Soc. ent. Belgique **50.**

Valgus hemipterus, FRINGS Ent. Zs. Guben **20** (22).

(**Le Comte**, G. Tableaux de détermination des Cétonides de France. Nîmes, Bul. soc. étud. sci., nat., **32**, 1905, (76–85).)

(*Callinomes rufiventris*, FAIRMAIRE, Mission Pavie, **3**, sp. n.)

(*Cetonia* (*Potosia*) *mayeti*, LE COMTE, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Mecynorhina oberthuri*, Ukami, FAIRMAIRE, Paris, Bul. soc. ent., **1903**, (261–263, av. fig.), sp. n.)

(*Chloresthia* gen. n., *clypeata*, FAIRMAIRE, Paris, Bul. soc. ent., **1905**, sp. n.)

BUPRESTIDAE.

Buprestidae du Musée de Santiago (Chile), habits, localities, dates, GERMAIN et KERREMANS Bruxelles Ann. Soc. ent. Belgique 1906 (377–394).

Larval means of locomotion, LEISEWITZ.

Acmaeodera sinuosa Mexico (45), *lesnei* Mexico? (72), *fontainieri* S. America (97), *vipera* (110), *bouvieri* (120), Mexico, *gosseti* Paraguay (177), *brunneipennis* Egypt (212), KERREMANS Mon. Buprest. **2, spp. n.**—*A. virgulata* var. n. *moroderi*, REITTER (375) Bol. Soc. esp. Hist. nat. **6.**

Agrilus chrysoderes var. *rubicola* Ab., MARCHAL Paris Bull. soc. ent. **1906** (170–171).—*A. albomarginatus* Italia, FIORI (260) Riv. Col. ital. **4, sp. n.**—*A. feae* (408), *gestroi, bolamus*, (409), *subtenuis* (410), Africa occ., KERREMANS Genova Ann. Mus. **42, spp. n.**—*A. germaini* Chile, GERMAIN and KERREMANS Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*A. lucanus* **sp. n.** Lower California, FALL (167) Ent. News **17.**—*A. monticola* **sp. n.** New Guinea, KERREMANS D. ent. Zs. **1906** (416).

Buprestis to be maintained for *octoguttata* L. and allies, KERREMANS (174–177) Bruxelles Ann. Soc. ent. Belgique **50.**—*B. sanguinea* Fabr. is a *Stigmodera*, ESCALERA (199–203) Madrid Bol. Soc. espan. **6.**

Chalcophora detrita, Botto Riv. Col. ital. **4** (73–74).

Chrysobothris bennigseni **sp. n.** Admiralitäts Insel., Kerremans D. ent. Zs. **1906** (414).

Chrysodema jansoni var. n. *violacea*, Kerremans (412) T.c.

Coraebus feae Fernando Po, Kerremans (408) Genova Ann. Mus. **42, sp. n.**

Cyphogastra bennigseni **sp. n.** Solomons Ins., Kerremans D. ent. Zs. **1906** (413).

Dactylozodes cylindrica (389), *cuyana* (Phil.) (390), Chile, Germain and Kerremans Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Dicerca miranda Reitt. neu für Russlands, Barovskij St. Peterburg Hor. Soc. Ent. Ross. **37** (cxx, cxxi).

Ectinogonia chalyboeiventris Chile, Germain and Kerremans (380) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Exagistus fossicollis **sp. n.** Shortlands Ins., Kerremans D. ent. Zs. **1906** (413).

Julodis; the palaearctic species and their varieties, Théry Paris Bull. soc. ent. **1906** (124–127).—*J. bennigseni* (168), *bicolor* (169), *vitticollis* (170), S.W. Africa, Obst Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Mastogenius impressipennis **sp. n.** Lower California, Fall (167) Ent. News **17.**—*M. laevifrons* Chile, Germain and Kerremans (394) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Neopolycesta **gen. n.** for part of *Polycesta* (458), *inornata* **sp. n.** Africa (465), Kerremans Mon. Buprest **1.**

Philandia **gen. n.** *Agrilines* (391), *araucana* **sp. n.** Chile (392), Germain and Kerremans Bruxelles Ann. Soc. ent. Belgique **50.**

Pithiscus trifasciatus (385), *chalybaeofasciatus*, *angulatus*, (386), Chile, Germain and Kerremans T.c., **spp. n.**

Polybothris latissima, *theryi*, Madagascar, Meyer-Darcis (36) Paris Bull. Soc. entom. 1906, **spp. n.**

Polycesta damarana S. Africa (475), Kerremans Mon. Bupr. **1, sp. n.**—*P. damarana* var. n. *maculata*, Obst (172) Bruxelles Ann. Soc. ent. Belgique **50.**—*P. arizonica* Palmerlee **sp. n.** (22), table of N. American (23), Schaeffer Canad. Entomol. **38.**

Pseudocastalia dybowskii Congo (450), *peringueyi* Transvaal (452), Kerremans Mon. Buprest. **1, spp. n.**

Stigmodera helmsi N. S. Wales, Carter (259) pl. xx f. 10, Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

Trachykele opulenta (162), *nimbosa* (163), California, Fall Ent. News **17, spp. n.**

(**Pic**, M. Sur les Buprestides principalement paléarctiques du genera de Wytsman, Paris, Bul. soc. zool., **29,** 1904, (134–138).)

(*Agrilus cygneus*, Algérie, Abeille de Perrin, Paris, Bul. Soc. ent., sp. n., **1903,** (334–335).—*A. divaricatus*, *bedeli*, Abeille de Perrin, Paris, Bul. soc. ent., **1905,** spp. n.)

(*Astraeus caledonicus*, Fauvel, Rev. ent. Caen, **23,** 1904, sp. n.)

(*Conognatha mayeti*, sp. n., Théry, Paris, Bul. soc. ent., **1904,** sp. n.)

(*Coroebus helichrysi*, Abeille de Perrin, Paris, Bul. soc. ent., **1904,** sp. n. —*C. orientalis*, Abeille de Perrin, Op. cit. **1905,** sp. n.)

(*Cardiaspis pisciformis*, Théry, Paris, Bul. Soc. ent., **1904,** (73–76, av. fig.), sp. n.)

(*Julodis mathiesseni*, Zentral-Persien, Reitter, Entomol. Ztg., Wien, **24,** 1905, (204), sp. n.)

(*Dystaxia elegans*, California, Fall, Ent. News, **16,** 1905, (71–74), sp. n.)

(*Strobilodera gastoni*, Théry, Paris, Bul. soc. ent., **1904,** sp. n.)

Eucnemidae.

(*Fornax caledonicus*, *ferrugineus*, *brevicornis*, *soricinus*, Fauvel, Rev. ent. Caen, **23,** 1904, spp. n.)

Throscidae.

Throscus mesopotamicus Mesopotamie, *difficilis* Egypte, Pic (65) Echange **22, spp. n.**

ELATERIDAE.

The genera of *Elateridae* and lists of the species, SCHWARZ Genera insectorum fasc. 46, a, b, c, 6 plates.

Acroniopus marginicollis **sp. n.** Australien, SCHWARZ D. ent. Zs. **1906** (369).

Adelocera strangulata Madagascar, FLEUTIAUX (199) Paris Bul. soc. ent. 1906, **sp. n.**—*A. brevicornis* (211), *denticornis*, Tonkin, *constellata* Java, (212), FLEUTIAUX T.c., **spp. n.**

Aeoloides **subg. n.** for *Heteroderes waltli*, etc., SCHWARZ (109) Gen. ins. Elater.

Aeolus abbreviatus (128), *apicatus* Brazil (123), *basilaris* Argentina (131), *crucifer* Bolivia (129), *decoratus* Brazil (127), *discoidalis* Brazil (128), *indistinctus* Brazil (122), *interruptus* Brazil (120), *kruqi* Brazil (125), *latifascicatus* (sic) Brazil (124), *lepidulus* Brazil (121), *longicollis* Brazil (134), *medianus* Brazil (120), *nigriceps* Bolivia (130), *pustulatus* Brazil (126), *sexpustulatus* Brazil (124), *sordidus* Argentina (133), *terminatus* Peru (132), *umbratus* Brazil (133), **spp. n.**, SCHWARZ D. ent. Zs. Berlin **1906.**—*A.* (*Phedomenus*) *basilaris* Brazil, SCHWARZ (112) D. ent. Zs. Berlin 1906, **sp. n.**

Agriotes; larval food-habits, LAMPA Uppsala ent. Tidskr. **27** (68).—*A. infuscatus* Desbr. var. n. *sunaptoides* Italien, REITTER Entomol. Ztg. Wien **25** (240).—*A. edmondi* Taurus, PIC (1) Echange **22, sp. n.**

Agriotides **gen. n.** for part of *Agonischius*, SCHWARZ (273) Gen. ins. Elater.

Agrypnus notodonta, caccia, BOLASCO Natural. sicil. **18** (258-260).

Alampoides **gen. n.** for part of *Pyrophorus*, SCHWARZ (216) Gen. ins. Elater.

Alaus curtipennis **nom. n.** for *brevipennis* Schw., SCHWARZ (326) D. ent. Zs. Berlin 1906.

Anchastus brunneofasciatus Brazil, **sp. n.**, SCHWARZ (137) T.c.

Anilicopsis **gen. n.** for *Dicteniophorus dubius*, SCHWARZ (285) Gen. ins. Elater.

Anoplischius angularis Cauca Valley (104), *brevipes* Argentina (101), *bruchi* Brazil (103), *flavescens* Mendoza (102), *substriatus* Brazil (100), **spp. n.**, SCHWARZ D. ent. Zs. Berlin **1906.**

Aptopus angusticollis Mendoza **sp. n.**, SCHWARZ (143) T.c.

Asaphoides **gen. n.**, *nigripennis* N. S. Wales, *ater* Australien, **spp. n.**, SCHWARZ T c. (366-367).

Athous puncticollis var. n. *testaceicolor*, PIC (33) Echange (22). — *A. austriacus* Desbr. var. n. *flecki* Rumänien, REITTER Entomol. Ztg Wien **25** (240). — *A. undulatus*, coloration and varietal nomenclature, PIC (118) Paris Bul. soc. ent. 1906; varietal note, PIC (14) Echange **22**; Coloration du sexe mâle, DU BUYSSON Paris Bul. soc. ent. **1906** (54–55).

Beliophorus natalensis Natal, SCHWARZ (247) pl. vi f. 3 Gen. ins. Elater., **sp. n.**

Betarmonides **gen. n.** for *Betarmon* of New Zealand, SCHWARZ (147) T.c.

Campyloides, **gen. n.** for *Pleonomus fleutiauxi* Schw., SCHWARZ (299) T.c.

Campylus flabellatus, *pectinatus*, **spp. n.**, Kaukasus, REITTER Entomol. Ztg. Wien **25** (274).

Cardiophorus latescapulatus Perse, DU BUYSSON (19) Bull. Mus. Paris **12**, **sp. n.**

Cardiorhinus discicollis St. Catharina, **sp. n.**, SCHWARZ (149) D. ent. Zs. Berlin **1906.**

Chalcolepidius parallelus San Salvador, *substriatus*, (97), *viriditarsus* (98), Arizona, SCHWARZ T.c., **spp. n.**

Chrosis illita Cand. = (*Metablax plasoni* Schw.) SCHWARZ (368) T.c.

Corymbites alpestris Men., Beschreibung, KOENIG Entomol. Ztg. Wien **25** (23).

Cosmesus mediofasciatus, (152) *posticinus* (151), *rugifrons* (152), **spp. n.**, Brazil, SCHWARZ D. ent. Zs. Berlin **1906.**

Crepidius cuneipennis, hab. not given, **sp. n.**, SCHWARZ T.c.

Crepidomenus metallicus **sp. n.** Victoria, SCHWARZ T.c. (364).

Cylindroderus plagiatus, (157), *vulneratus* (158), **spp. n.**, Bolivia, SCHWARZ T.c.

Dicronychus ferrugineus Südwest-Afrika, *alternatus* Delagoa-Bay, *prosternalis* Kamerun, **spp. n.**, SCHWARZ T.c. (369–370).

Diplostethus, **gen. n.**, SCHWARZ (258) Gen. ins. Elater.

Drasterius curtipennis **nom. n.** for *brevipennis* Schw., SCHWARZ (326) D. ent. Zs. Berlin 1906.

Dulius **gen. n.** *Pomachilides* (199), *aberrans* **sp. n.** Madagascar (200), FLEUTIAUX Paris Bull. Soc. ent. **1906.**

Elater bodemeyeri **sp. n.** Anatolien, REITTER D. ent. Zs. **1906** (449).

Ethesopus grandiusculus (147), *praeclarus* (148), *terminatus* (147), **spp. n.**, SCHWARZ D. ent. Zs. Berlin **1906.**

Geranus lineicollis = (*Sphenelater nigricornis* Schw.) SCHWARZ (326) T.c.

Heterocrepidus minor (98), *modestus* (99), **spp. n.**, Brazil, SCHWARZ T.c.

Horistonotus luteus Mendoza (145), *piceus* Buenos Aires (146), *tumidicollis* Mendoza (145), **spp. n.**, SCHWARZ T.c.

Hypnoidus fleutiauxi **nom. n.** pro *monadicoides* Fleut. (153), *pictipennis* **nom. n.** pro *variegatus* Schw. (156), SCHWARZ Gen. ins. Elater.

Hypocoelus mathiesseni Kaukasus (239), *H.* (*Paraphloeus*) *leonhardi* Corsica (241), REITTER Entomol. Ztg. Wien **25** (239).

Ischiodontus melanoxanthoides Fernando Po, FLEUTIAUX (213) Paris Bull. Soc. ent. **1906, sp. n.**—*I. amitinus* Brazil (110), *bicolor* Surinam (107), *bivittatus* Paraguay (107), *crassiusculus* Argentina (106), *curticollis* Brazil (109), *ferrugatus* Peru (110), *nigriventris* Bolivia (105), *parallelus* Alabama (104), *rubiginosus* Argentina (107), **spp. n.**, SCHWARZ D. ent. Zs. Berlin **1906.**

Medonia deromecoides Chile **sp. n.**, SCHWARZ (136) T.c.

Megapenthes flavipes Mendoza **sp. n.**, SCHWARZ (135) T.c.

Monadicus bruchi Buenos Aires **sp. n.**, SCHWARZ (142) T.c.

Monocrepidius discoidalis **nom. n.** for *vitticollis* Schw., *planatus* **nom. n.** for *depressus* Schw., SCHWARZ (326) D. ent. Zs. Berlin 1906.—*M. angustatus* Brazil (115), *cincticollis* Argentina (118), *fimbriatus* Mendoza (119), *goyaziensis* Brazil (116), *lacerosus* Peru (113), *lateralis* Brazil (115), *nigrosuturalis* Argentina (117), *ruficornis* Mendoza (114), **spp. n.**, SCHWARZ T.c.—*M. lenticulatus*, *latus*, Queensland, *antennatus* Victoria, *antennarius*, *collaris*, *condensus*, *plasoni*, Australien, *fuscipennis*, *ater*, Victoria, SCHWARZ T.c. (356–362), **spp. n.**

Oligostethius **gen. n.** for *Idiotropia capensis* Schw., SCHWARZ (315) Gen. ins. Elater.

Olophoeus protensus Gerst. = (*Psephus rugulipennis* Cand.), SCHWARZ (326) D. ent. Zs. Berlin 1906.

Pachyelater obscurus Madagascar, LESNE (174) Paris Bull. Soc. ent. **1906, sp. n.**—*P. macrocerus* **sp. n.** Id. T.c. (277).

Panspaeus biguttatus New Zealand, SCHWARZ (148) Gen. ins. Elater., **sp. n.**

Parablax **gen. n.** for part of *Metablax*, SCHWARZ D. ent. Zs. **1906** (368).

Paracrepidomenus **gen. n.**, *fasciculatus* **sp. n.** Australien, SCHWARZ T.c. (364–365).

Parallostethus **gen. n.**, SCHWARZ (258) Gen. ins. Elater.

Parapomachilius cosmesoides Mendoza (140), *lateralis* Brazil (141), SCHWARZ D. ent. Zs. Berlin **1906, spp. n.**

Plastocerus dimidiatus Peru **sp. n.**, SCHWARZ (158) T.c.

Pleonomoides **gen. n.** for *Nomopleus flavus* Schw., SCHWARZ (302) Gen. ins. Elater.

Pomachilius elegantulus (139), *longicornis* (137), *pulcher* (138), **spp. n.**, Brazil, SCHWARZ D. ent. Zs. Berlin **1906.**

Pristilophus bifoveolatus to *Chrosis*, SCHWARZ (326) T.c.

Psephus sordidulus = (*feralis* Cand.), SCHWARZ (326) T.c.—*P. quadraticollis* **sp. n.** Australien, SCHWARZ T.c. (353).

Pyrophorus lineatocollis Brazil (153), *longipennis* Cuba (154), *schneideri* Brazil (155), *semiotoides* Argentina (155), **spp. n.**, SCHWARZ T.c.

Rhinopsephus **gen. n.** for *Psephus minor* etc., SCHWARZ (82) Gen. ins. Elater.

Silesis crassus Perse, DU BUYSSON (20) Bull. Mus. Paris **12, sp. n.**

Simodactylus trivittatus, Shortlands Ins., *suturalis* Queensland, *brunneus* Australien, SCHWARZ D. ent. Zs. **1906** (353–355), **spp. n.**

Tarsalgus schneideri **sp. n.** Delagoa Bay, SCHWARZ T.c. (370).

Tomocephalus bilineatus Chiriqui **sp. n.**, SCHWARZ (150) T.c.

Triplonychoidus **gen. n.** for *Triplonychus trivittatus* Champ. etc., SCHWARZ (181) Gen. ins. Elater.

Triplonychus boliviensis Bolivia, *bruchi* Argentina, **spp. n.**, SCHWARZ (144) D. ent. Zs. Berlin **1906.**

The following Elateridae have already been recorded in the Zoological Record.

(*Agriotes dilataticoxis*, Maroc, DU BUYSSON, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Athous villardi*, CARRET, Paris, Bul. Soc. ent., **1904**, (170–173), sp. n.—*A. eximius, insulsus, nadari*, DU BUYSSON, Paris, Bul. soc. ent., **1904**, (58–60), spp. n.—*A. bagdadensis*, Bagdad, *uhagoni*, Espagne, DU BUYSSON, Rev. ent. Caen, **23**, 1904, spp. n.—*A. olcesei*, DU BUYSSON, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Cardiophorus aeneipennis*, Madagascar, (12), FLEUTIAUX, Paris, Bul. soc. ent., **1904**, sp. n.—*C. eliasi* sp. n., Syrie, PIC, Paris, Bul. soc. ent., **1904**, (298–299).—*C. impexus, sbeitlensis*, DU BUYSSON, Paris, Bul. soc. ent., **1905**, spp. n.)

(*Corymbitodes* subgen. n., *longicollis* sp. n., DU BUYSSON, Paris, Bul. soc. ent., **1904.**)

(*Denticollis* (*Campylus*) *jakobsoni*, Lenathal, REITTER, Entomol. Ztg., Wien, **22**, 1903, (280–281), sp. n.)

(*Dorigonus ceylanicus*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Elater nigrita, frontalis, marginellus*, FAUVEL, Rev. ent. Caen, **23**, 1904.)

(*Elathous oberndorfferi*, Buffalo, N.Y., *smyrnensis*, Smyrna, (207), *syriacus*, Beirut, (208), SCHWARZ, Entomol. Ztg., Wien, **22**, 1903, spp. n.)

(*Hemirraphes bivittatus*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Heteroderes parallelus*, FLEUTIAUX, Paris, Bul. soc. ent., **1903**, sp. n.)

(*Homotechnes brunneus*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Hypnoïdus incommodus, monadicoides*, FLEUTIAUX, T.c., spp. n.)

(*Lacon tellini*, FLEUTIAUX, Paris, Bul. soc. ent., **1903**, sp. n.)

(*Ludius cupreus* var. n., *hilfi*, Herzegowina, REITTER, Entomol. Ztg., Wien, **21**, 1902, (1–9).—*L. maindroni*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Melanoxanthus picturatus*, FAUVEL, Rev. ent., Caen, **23**, 1904, sp. n.—*M. pomachilioides*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Monocrepidius brachypterus*, FAUVEL, Rev. ent., Caen, **23**, 1904, sp. n.)

(*Ochosternus pacificus, cribriceps*, FAUVEL, T.c., spp. n.)

(*Silesis vaulogeri*, DU BUYSSON, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Tropidiplus* gen. n., *T. tellinsi*, FLEUTIAUX, Paris, Bul. soc. ent., **1903**, sp. n.)

CEBRIONIDAE.

Cebrio; LEONI Riv. Col. ital. **4** (268–269). - *C.*, italiani, *C. fiorii* **sp. n.** Italia (212), LEONI Riv. Col. ital. **4** (181–220).

RHIPIDOCERIDAE.

Sandalus semitestaceus Japan, PIC (1) Echange **22, sp. n.**

(*Agathorhipis bifissata*, FAUVEL, Rev. ent., Caen, **23**, 1904, sp. n.)

(*Cladotoma bruchii*, Argentine, *russula, maculicollis*, Brésil, FAIRMAIRE, Paris, Bul. soc. ent., **1904**, spp. n.)

(*Pseudolichas nivipictus*, FAIRMAIRE, Mission Pavie, **3**, sp. n.)

DASCILLIDAE.

Allopogonia **nom. n.** for *Allopogon* Horn, COCKERELL (241) Ent. News **17.**

Araeopidius **nom. n.** for *Araeopus* Lec., COCKERELL (241) Ent. News **17.**

Eucinetus subrutilus Tunisie, PIC (33) Echange **22, sp. n.**

Lachnodactyla texana, arizonica, N. America, SCHAEFFER (114) Psyche **13, spp. n.**

Microcara fuegensis (37) pl. i f. 10, BOURGEOIS Résult. Belgica, Zoologie.

Prionocyphon serricornis, early stages, DONISTHORPE (lxxxviii) London Proc. ent. soc. 1906.

Scirtes plagiatus **sp. n.** Arizona, SCHAEFFER (115) Psyche **13.**

(*Eubrianax insignis* FAIRMAIRE, Mission Pavie, **3,** sp. n.)

(*Hydrocyphon championi*, Sierra de Bejar in Spanien, REITTER, Entomol. Ztg. Wien, **22,** 1903, (177), sp. n.)

MALACODERMIDAE.

Aquatic larvae of *Lampyridae*, ANNANDALE Calcutta J. As. Soc. **2** (106).

Anolisus ratteri sp. n. Nordtirol, REITTER Entomol. Ztg. Wien **25** (35).

Anthocomus coccineus Schall. = (*rufus* Herbst), BEDEL (92) Paris Bul. Soc. ent. **1906.**

Attalus alaiensis Monts Alai, PIC (10) Echange **22, sp. n.**—*A. semilimbatus* Yunnan, *petiti* Algérie, PIC (17) T.c., **spp. n.**—*A. uniformis* = (*heydeni* Ab.), PIC (47) Paris Bull. Soc. entom. **1906.**

Balanophorus javanus Java, PIC (57) Echange **22, sp. n.**

Belotus latithorax Buenos Ayres, PIC (51) Echange **22, sp. n.**

Caeniella **nom. n.** = *Caenia* Newman, COCKERELL (242) Ent. News **17.**

Calochromus gratiosus (192), *nigromarginatus* (193), Borneo, BOURGEOIS Paris Ann. Soc. ent. **75, spp. n.**

Cantharis indica nom. n. pro *cruralis* Gorh., *loweri* nom. n. pro *decipiens* Low., *lewisi* nom. n. pro *dichrous* Lew., *imperator* nom. n. pro *imperialis* Gorh., *gorhami* nom. n. pro *insularis* Gorh., *antillarum* nom. n. pro *lineatus* Gorh., *americana* nom. n. pro *notata* Man., *bohemanni* nom. n. pro *emarginatus* Boh., PIC (81) Echange **22.**—*C. bilunulata* varr. n. *dilutipes* and *distincticollis*, *curta* var. n. *batnensis*; *bosnica* Bosnia, *funestula* Thian Schan, **spp. n.**; *pulicaria* var. n. *curticollis*, *dimidiatipes* subsp. n. *reitteri*, *sublivida* var. n. *mardinensis*, (82), *arisi* Turcménie (82), *ciliatocollis* Buchara, *mongolica* Mongolie bor., *baikalica* Sibérie, *rubripennis* Darjeeling, *magnifica* Chine mer., *limbatipennis*, *grouvellei nigricolor*, Chine, *donckieri*, *subnitida*, *guerryi*, Chine mer., (83), *opacipennis* Chine, *staudingeri* Célèbes, *veneris* Borneo, *C.* (*Themus*) *viridissima* Chine mer., (84), **spp. n.**, PIC T.c.—*C. kirschi* nom. n. pro *alticola* Kirsch, *pyrenaea* nom. n. pro *lineata* Kow., *generosa* nom. n. pro *nobilis* Gorh., *rufithorax* nom. n. pro *ruficollis* Lec., *plurivittata* nom. n. pro *bivittata* Mars., *solieri* nom. n. pro *longicornis* Solier., PIC (89) T.c.—*C. lucida* Buchara, *madegassa* Madagascar, *africana*, *deiliformis*, Afrique or., (89), *unilineata*, *quadrimaculata*, *itatiayana*, *gounellei*, *brevis*, Brésil, *nigrosutularis* hab., (90), PIC T.c., **spp. n.**—*C. akbesiana* Syrie, PIC T.c. (96), ? **sp. n.**—*C. sicula* **sp. n.** Sicile, PIC Natural. sicil. **18** (197–198). — *C.* (*Telephorus*) *viridinitida* Yunnan, PIC (218) Paris Bull. Soc. ent. **1906, sp. n.**—*C. pilsbryi* **sp. n.** Texas, SKINNER (217) Ent. News **17.**—*C.* (*Telephorus*) *nitidicollis* Brazil, PIC (283) Naturaliste 1906, **sp. n.**

Carphurus sumatrensis, *rouyesi*, Sumatra, *ruficeps* Amboine, PIC (57) Echange **22, spp. n.**

Celiasis mirabilis Lacord and *Chalcas trabeatus*, note synonymique, BOURGEOIS Paris Bul. soc. ent. **1906** (95–97).

Cerapheles terminatus var. n. *obscuricornis*, PIC (41) Echange **22.**

Charopus diversipennis Adana, PIC (41) T.c., **sp. n.**

Cladophorus satanas Sarawak, BOURGEOIS (186) Paris Ann. Soc. ent. **75, sp. n.**

Dasytes laufferi **sp. n.** Spain (98), SCHILSKY in Küster and Kraatz Käfer Europas **42**; *D. incrassatus* Oran **sp. n.**, Id. **43** (10).—*D. palustris* Italia, FIORI (262) Riv. Col. ital. **4, sp. n.**—*D. vicinus* (74), *shastensis* (75), California, BLAISDELL Ent. News **17, spp. n.**

Diaphanes feai (235), *picinus* (236), Fernando Po, OLIVIER Genova Ann. Mus. **42, spp. n.**

Dictyophorus rubens Gyll., GOLLER Insektenbörse **23** (104).

Dilophotes shelfordi Sarawak, BOURGEOIS (194) Paris Ann. Soc. ent. **75, sp. n.**

Dinometopus albonotalus, *donckieri*, Port Elizabeth, PIC (2) Echange **22, spp. n.**

Discodon moissinaci Sumatra, PIC (84) Echange **22, sp. n.**—*D. albonotatum* Brésil, D.? *surinamensis* Guyane, PIC (90) T.c., **sp. n.**—*D. rouyeri* Sumatra, *brevilineatum* Argentina, *baeri* Peru, *annulipes* Brazil, PIC (283) Naturaliste 1906, **spp. n.**

Donaldia minuta Ile Bourbon, PIC, (11) Echange **22, sp. n.**

Drilus flavescens larva, habits, BAYFORD (267, 268) Ent. Mag. London **42.**

Eulobonyx arisi Turkestan (11), *haemorrhoidalis* Kashmir (12), SCHILSKY Küster Käf. Eur. **43, spp. n.**

Haplocnemus serrulatus Spain (100), *similis* Anatolia (99), **spp. n.**, SCHILSKY T.c.—*H. hebraicus* Palestine **sp. n.**, Id. T.c. **43** (13).

Icthyurus acanthopus (219), *pallidipennis* (222), *humilis* (225), *arrowii* (227), *forcipiger* (229), *confusus* (231), Africa, GESTRO Genova Ann. Mus. **42, spp. n.**—*I. pusillus* Ceylan (273), *pulchellus* Birmania (274), *parvulus* Nilghiri (275), *minutulus* Liou-Kiou (276), *concinnus* Malacca (278), *picticollis* Ceylan (279), *biplagiatus* Tenasserim (281), *insignis* Mysore (285), *validus* Nilghiri (286), *crassepunctatus* Assam (288), *maculipes* Birmania (291), *lineipes* Manipur (292), *platyurus* (295), *dilutus* (297), Birmania, *distans* Malacca (299), *tricolor* Giava (301), GESTRO T.c., **spp. n.**—*I. picticauda, opacus*, **spp. n.**, Tonkin, GESTRO Leiden Notes Mus. Jentink **26** (235–238).

Idgia cincta, bourgeoisi, (42), *maculicollis, pallidicolor, rouyeri*, (43), Java et Sumatra, **spp. n.**, *metallescens* Friv. varr. n. *sumatrensis* et *semilimbata* (43), PIC Echange **22.**—*I. nigricollis* Sierra Leone (43), *cyanea* Yoruba (44), PIC T.c., **spp. n.**—*I. viridipennis* **sp. n.**, (? *viridescens* var.) "Indes," PIC (55) T.c.—*I. haemorrhoïdalis* Yunnan, PIC (217) Paris Bull. Soc. ent. 1906, **sp. n.**

Laïus latipennis Afrique or., PIC (21) Bull. Mus. Paris **12, sp. n.**—*L. javanus* Java, PIC (61) Paris Bul. Soc. Zool. **31, sp. n.**

Lampyris noctiluca ♀, Zucht, MEISSNER, Insektenbörse Leipzig **23** (181–182).

Lobetus peruvianus, brevipennis, inapicalis, Pérou, PIC (51) Echange **22, spp. n.**—*L. guadelupensis* Guadeloupe, PIC (57) T.c., **sp. n.**—*L. grandis* Peru, PIC (175) Naturaliste 1906, **sp. n.**

Lucidota taciturna, proscripta, Colombie, OLIVIER Paris Bul. soc. ent. **1906** (108–109), **spp. n.**

Luciola nigrita Nairobi, OLIVIER (508) Bul. Mus. Paris 1906, **sp. n.**

Lycus (*Lopholycus*) *bozasi* (193), *L. inamplexus* (194), *curtirostris* (195), Afrique, BOURGEOIS Bull. Mus. Paris **12, spp. n.**

Lygistopterus sanguineus pupa, MJÖBERG (15) pl. i f. 7 Uppsala Arkiv. Zool. **3** No. 6.

Malachius cardinalis Buchara, PIC (49) Echange **22, sp. n.**

Malthinus; de France, PIC Echange Moulins **22** 1906 (16, 22–24, 30–32).—*M. incrassicornis* var. n. *diversicollis*, PIC (17) Echange **22.**

Malthodes (*Maltharus*) *ganglbaueri* Parma (4–6), *latialis* Monti laziali (13–15); *baudii* Sicilia (21–23), FIORI Riv. Col. ital. **4, spp. n.**—*M.* (*Podistrella*) *serbotae* **sp. n.** Siebenbürgen, PETRI Entomol. Ztg. Wien **25** (224).—*M. subcarinatus* "Indes," PIC (17) Echange **22, sp. n.**

Maronius pulcher Pérou, *limbatus* Argentine, (9), *monstrosicornis, amazonicus*, Amazone, *brasiliensis* Caraca, PIC Echange **22, spp. n.**—*M. batesi* Ega, PIC (35) T.c., **sp. n.**—*M. obscurus, impressipennis, baeri, testaceiceps, gounellei, maculiceps, staudingeri, annulicornis*, Amerique mer., PIC (52) T.c., **spp. n.**

Melampyrus shelfordi Sarawak, BOURGEOIS (192) Paris Ann. Soc. ent. **75, sp. n.**

Phaenopterus graecus var. n. *rufithorax*, PIC (9) Echange **22.**

Plectonotum laterale, gounellei, brasiliense, Brésil, PIC (90) Echange **22, spp. n.**

Podabrus alpinus var. n. *apicalis*, (*Anolisus*) *abdominalis* **sp. n.** Indes, PIC (81) T.c.—*P. punctatipennis* Ecuador, PIC (282) Naturaliste 1906, **sp. n.**

Pseudopodabrus **gen. n.**, *impressiceps* **sp. n.** Tonkin, PIC (81) Echange **22.**

Rhagonycha beauprei nom. n. pro *latiuscula* Bourg. (81), *R.* (*Absidia*) *multistriata* Sikkim, *tonkinea* Tonkin

spp. n. (82), Pic T.c.—*R.* (*Absidia*) *latiuscule* Oran, Bourgeois Paris Bul. Soc. ent. **1906**, **sp. n.**—*R. transbaikalica* Transbaikal, Pic (89) T.c., **sp. n.**

Silis africana Dahomey, *benuensis* Benue, Pic T.c. (88), **spp. n.**—*S. obscuricolor* Brésil, *obscurissima*, *donckieri*, *sinensis*, Chine, *flabellicornis* Sumatra, (84), *discoidalis* Java (85), Pic T.c., **spp. n.**—*S. monstrosicornis* Borneo, *major* Pérou, *fruhstorferi* Sikkim, *argentina* Argentine, *maculata* Brésil, *rouyeri* Sumatra, *laticeps*, *grisescens*, Brésil, (91), *guyanensis* Cayenne, *obscuripes*, *gounellei*, *fasciata*, *distincta*, *brevinotata*, *lata*, *scutellaris*, Brésil, (92), *peruviana* Pérou, *bilineata* Brésil, (93), Pic T.c., **spp. n.**—*S. carinaticeps* Tonkin, *latipennis* Brazil, Pic (282) Naturaliste 1906, **spp. n.**

Trichalus shelfordi Sarawak, Bourgeois (190), Paris Ann. Soc. ent. **75**, **sp. n.**

Trypherus placatipennis Pérou, *elongatus* Brésil, Pic (44) Echange **22** **spp. n.**

Tylocerus distinctipennis Sumatra, Pic (91) T.c., **sp. n.**

Xamerpus maindroni Inde, Pic (8) T.c., **sp. n.**

Xylobanus senescens Sarawak, Bourgeois (188) Paris Ann. Soc. ent. **75**, **sp. n.**

Zygia pallidiventris Afrique or., Pic (1) Echange **22**, **sp. n.**

The following Malacodermidae have been previously recorded in the Zoological Record:—

(*Calopteron variegatum* Kirsch, *flavofasciatum*, *torquatum* Er., *albofasciatum*, *melanoxanthum* Kirsch, *geayianum*, varr. n., Bourgeois Paris, Ann. Soc. ent., **74**.)

(*Colotes uncifer*, Algérie, Abeille de Perrin, Paris, Bul. Soc. ent., sp. n., **1903**.)

(*Cyrtopteron* gen. n. (*Calopteron* p. part), Bourgeois, Paris, Ann. Soc. ent., **74**.)

(*Drilus ? kandyanus*, Bourgeois, Paris, Ann. soc. ent., **72**, sp. n.)

(*Eugensis* Bourgeois, Paris, Ann. soc. ent., **72**.)

(*Idgia puncticollis* Bourgeois, T.c. **sp. n.**)

(*Idiopteron* gen. n. (*Calopteron* p. part), Bourgeois, Paris, Ann. soc. ent., **74**.)

(*Laius plagiatus*, *variolosus*, *miles*, Bourgeois, T.c. spp. n.)

(*Luciola horni*, *antennalis*, Bourgeois, T.c. **spp. n.**)

(*Lycus* (*Lycostomus*) *vaucheri*, Bourgeois, Paris, Bul. soc. ent., **1905**, **sp. n.**)

(*Macrolampis omissus*, *elapsus*, *roberti*, *frater*, *distinguendus*, *transversenotatus*, *agonus*, *meditabundus*, *cylindrus*, Olivier, Paris, Ann. soc. ent., (311), spp. n.)

(*Malachius arctelimbatus*, *japonicus*, spp. n., Pic, Paris, Bul. soc. ent., **1904**.)

(*Malchinus brancsiki*, Dalmatien, Reitter, Entomol. Ztg., Wien, **22**, 1903, (232), **sp. n.**)

(*Malthodes* (*Malthodellus*) *decorus*, Bourgeois, Paris, Bul. Soc. ent., **1903**, (336–337), sp. n. — *M.* (*Malthinellus*) *messenius* Messina, (*Podistrina*) *ragusae* Sicilia, Fiori, Naturalista sicil., Palermo, **17**, 1904, (74–76), spp. n.—*M. silvicola*, France, Bourgeois, Paris, Bul. Soc. ent., **1903**, (247–248, a. fig.), sp. n.—*M. gavoyi*, Bourgeois, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Mesopteron* gen. n. *Calopteron* p. part) *riveti* sp. n., Bourgeois, Paris, Ann. soc. ent., **74**.)

(*Metapteron* gen. n. (*Calopteron* p. part), Bourgeois, T.c.)

(*Rhagonycha* (*Absidia*) *vaulogeri*, Algérie, Bourgeois, Paris Bul. soc. ent., **1905**, sp. n.)

(*Selasia maindroni*, Bourgeois, Paris Ann. soc. ent., **72**, sp. n.—*S.* (*Euptilia*) *horni*, Ceylan, Bourgeois, Op. cit., sp. n.)

(*Silis maindroni*, Bourgeois, Paris, Ann. soc. ent., **72**, sp. n.—*S. ceylonica*, Ceylan. Bourgeois, Op. cit. **74**, sp. n.)

(*Sphinginopalpus martini*, Pic, Paris, Bul. soc. ent., **1904**, (12–13), sp. n.)

(*Tylocerus apicalis*, Bourgeois, Paris, Ann. soc. ent, **72**, sp. n)

(*Zelotypus horni*, Ceylon, Bourgeois, Op. cit. **74**, sp. n.)

(*Zygia alluaudi*, Pic, Paris, Bul. soc. ent., **1905**, sp. n.)

CLERIDAE.

Cleriden des Deutschen Entomologischen National-Museums, SCHENKLING D. ent. Zs. Berlin (241–320) pl. ii.

Anthicoclerus **gen. n.**, *anthicoides* Westw., SCHENKLING (264) T.c.

Aroterus **nom. n.** for *Aroteres* Fairm., SCHENKLING (252) T.c.

Axina nigrifrons Puerto Cabello (253) pl. ii f. 4, *A.* (*Ctenaxina* **subgen. n.**) *brunnea* Peru (254), **spp. n.**, SCHENKLING T.c.

Cephaloclerus annulipes E. Africa **sp. n.**, SCHENKLING (300) T.c.

Clerus aestivus Brazil (274), *coccineus* Mexico (272) pl. ii f. 7, *militaris* Brazil (272), *pusio* Peru (276), *suturalis* Brazil (277), *tomentosus* S. America (275), **spp. n.**, SCHENKLING T.c.

Cleronomus amoenus **sp. n.** Colombia, SCHENKLING (263) pl. ii f. 5 T.c.

Colyphus melanopterus **sp. n.** Cincinnati, DURY Cincinnati Ohio J. Soc. **20** (251–256).

Ctenaxina **subg. n.** cf. *Axina*.

Cylidrus; table of species, SCHENKLING (243) D. ent. Zs. Berlin 1906.

Cymatodera delicatula Lower California (113), *decipiens*, *umbrina*, California, (114), FALL Canad. Entomol. **38, spp. n.**

Dasyceroclerus suturalis Sumatra **sp. n.**, SCHENKLING (291) D. ent. Zs. Berlin **1906.**

Diplophorus pulcher **sp. n.** Africa, SCHENKLING (247) T.c.

Epiphloeus vitticollis Amazons **sp. n.**, SCHENKLING (299) T.c.

Evenus fasciicollis Madagascar **sp. n.**, SCHENKLING (299) pl. ii f. 11 T.c.

Graptoclerus, taxonomy and composition, SCHENKLING (270) T.c.

Hendecatus **gen. n.**, *subnotatus* Westw., etc., SCHENKLING (246) T.c.

Hydnocera plagifera California (115), *cyanitincta* New Mexico, *cribripennis* Texas, (116), *affiliata* California, *sobrina* Arizona, (117), FALL Canad. Entomol. **38, spp. n.**

Ichnea (*Pseudichnea*) *varicollis* Brazil **sp. n.**, SCHENKLING (310) D. ent. Zs. Berlin **1906.**

Lemidea albolineata (302), *bicolor* (301), *circumcincta* (302), *pusilla* (303), **spp. n.**, Australia, SCHENKLING T.c.

Natalis leai and *Opilo floccosus* distinguished, BLACKBURN (322) Adelaide S. Aust. Trans. R. Soc. **30.**

Necrobia ruficollis, habits of larva, TASCHENBERG Zs. wiss. Insektenbiol. **2** (13–17).

Neoclerus tuberculatus Ceylon **sp. n.**, SCHENKLING (278) D. ent. Zs. Berlin **1906.**

Neogyponyx **gen. n.**, *punctipennis* Germ., SCHENKLING (266) T.c.

Neotenerus **gen. n.** near *Pelonium*, *tuberculatus* **sp. n.** Paraguay, SCHENKLING (309) T.c.

Ommadius longulus Borneo (295), *muscosus* Sumatra (296), *omissus* Celebes (295) pl. ii f. 10, **spp. n.**, SCHENKLING T.c.

Opetiopalpus tuniseus Tunisie, PIC (26) Echange **22, sp. n.**

Opilo desertorum Sahara, LESNE (388) Bul. Mus. Paris 1905, **sp. n.**—*O. rugulicollis*, *unistriatus*, India, **spp. n.**, SCHENKLING (260) D. ent. Zs. Berlin **1906.**

Orthrius andamanensis Andaman Islds. (268), *cruciger* Queensland (269), *haemorrhoidalis* Ceylon (268) pl. ii f. 8, *monticola* Borneo, *octopunctatus* Sumatra, (267), *tibialis* Assam (268), **spp. n.**, SCHENKLING T.c.

Pelonium australicum Sydney (223) pl. xviii f. 7, LEA Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**—*P. erythromantoides* Brazil (313), *lateripunctatum* Colombia (314), *quadrifoveolatum* Brazil (313), *vittipenne* Argentina (316), **spp. n.**, SCHENKLING D. ent. Zs. Berlin **1906.**

Phaeocyclotomus centurio Sumatra **sp. n.**, SCHENKLING (293) T.c.

Phloeocopus plumbeus Madagascar (259), *togonis* Africa (258), **spp. n.**, SCHENKLING T.c.

Phlogistus blackburni Australia, **sp. n.**, SCHENKLING (279) T.c.

Priocera equestris, *gracilis*, (257), *longula* (256), Brazil, *salamandra* Mexico (255), **spp. n.**, SCHENKLING T.c.

Pyticera flavicollis var. n. *suturalis*, SCHENKLING (311) T.c.

Stenocylidrus undatus Coq., SCHENKLING (250) T.c.

Stigmatium scitum Sumatra **sp. n.**, SCHENKLING (289) pl. ii f. 8 T.c.

Tenerus curticollis Nepal (305) pl. ii f. 12, *gorhami* Morty, *hirsutus* Sumatra, (306), *occidentalis* San Thomé (307), **spp. n.**, SCHENKLING T.c.

Thaneroclerus elongatus Yunnan, **sp. n.**, SCHENKLING (278) T.c.

Tillus vaulogeri Tunisie, PIC (25) Echange **22, sp. n.**

Trichodes korbianus Asia Minor, GANGLBAUER (274) Wien Ann. Hofmus. **20, sp. n.** ?

(*Clerus bimaculatus*, Arizona, SKINNER, Ent. News, **16**, 1905, (289–292), sp. n.)

(*Cymatodera tricolor*, Arizona, SKINNER, T.c. (289–292), sp. n.)

(*Omadius diversicollis* sp. n, FAUVEL, Rev. ent. Caen, **23**, 1904, sp. n.)

LYMEXYLONIDAE.

Hylecoetus and *Lymexylon* larvae, LEISEWITZ.

(*Atractocerus horni*, Ceylon, BOURGEOIS, Paris, Ann. soc. ent., **74**, sp. n.)

PTINIDAE.

Anobium paniceum, foods, BUSIGNY (46) Naturaliste 1906.

Caenocara oculata, habits, HOUGHTON Ent. News **17** (114–115).

Eudipnus auronitens **sp. n.** Italia, AMORE Natural. sicil. **18** (198–200).

Eupactus dufaui Guadeloupe, PIC (22) Echange **22, sp. n.**

Hedobia magnifica Reitt. var. *tauricola* var. n., PIC (228) Paris Bull. Soc. ent. **1906.**

Hexaplocotes, **gen. n.** near *Diplocotes*, *sulcifrons* **sp. n.** W. Australia pl. xviii f. 8, LEA (224) Sydney N.S.W. Proc. Linn. Soc. **31.**

Niptus hololeucus, life history, MJÖBERG (11) Uppsala Arkiv. Zool. **3** No. 6; natural history, MJÖBERG (65–68) Uppsala Ent. Tidskr. **27.**—*N. crenatus* vide *Ptinus fur*.

Ptinus donceeli Mendoza **sp. n.**, *natalensis* **nom. n.** pro *elegans* Pering. 1904, PIC (227) Paris Bull. Soc. ent. **1906.**—*P. dufaui* Guadeloupe, PIC (21) Echange **22, sp. n.**—*P. fur*, *raptor*, *Niptus crenatus*, Schädigung von Mehlvorräthen; verzögerte Entwicklung bei anormalen Verhältnissen, ŠEVYREV St. Peterburg Hor. Soc. Ent. Ross. **37** (cxvii–cxix).—*P. moroderi* Spanien (281), *bescidicus* Oesterreich (282), *dauricus* Irkutsk etc., *gylippus* Attica, (283), *swaneticus* Kaukasus (284), **spp. n.**, REITTER Entomol. Ztg. Wien **25** (281).

Stagetus Woll. = (*Theca* Aubé), BEDEL (92) Paris Bull. Soc. ent. **1906.**

Trichodesma japonica Kioto, PIC (2) Echange **22, sp. n.**

Trigonogenius globulus Sol., introduced in Tasmania and W. Australia, LEA Sydney N.S.W. Proc. Linn. Soc. **31** (224).

Xyletinus sanguinocinctus var. n. *disconiger*, PIC (3) Echange **22.**

(*Dorcatoma lomnickii*, Litthauen, REITTER, Entomol. Ztg., Wien, **22**, 1903, (239), sp. n.—*D. lanatum*, FAUVEL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Leptotheca* gen. n. (nomen preoccup. *Myxosporidia*), *laticornis* sp. n., FAUVEL, Tc.)

(*Petalium fauveli*, *alluaudi*, *longipenne*, FAUVEL, T.c., spp. n.)]

(*Theca figurata*, *semirufa*, FAUVEL, T.c., spp. n.)

BOSTRYCHIDAE.

Revision des Bostrychides. 5e partie. *Sinoxylinae*. LESNE Paris Ann. soc. ent. **75** 1906 (445–561).

Bostrychopsis cristaticeps Socotra, LESNE (403) T.c., **sp. n.**

Bostrychus Müller; LESNE (249) Abeille **30.**

Calodectes **gen. n.** *Sinoxglinae* (453), *laniger* **sp. n.** Cape Town (454), LESNE Paris Ann. soc. ent. **75.**

Calodrypta **gen. n.** *Sinoxylinae*, *exarmata* **sp. n.** Durban, LESNE (455) T.c.

Calopertha **gen. n.** *Sinoxylinae* (456), *costatipennis* Abyssinie (458), *kalaharensis* Afrique Sud-Ouest (459), **spp. n.**, LESNE T.c.

Calophorus **gen. n.** voisin de *Micrapate* (404), *coriaceus* **sp. n.** Australie (405), LESNE T.c.

Dinoderopsis **gen. n.** voisin de *Prostephanus* (400), *escharipora* **sp. n.** Socotra (401), LESNE T.c.

Dinoderus ocellaris Steph. = (*pilifrons* Lesne), LESNE (249) Abeille **30.** —*D. pilifrons* and *minutus*, destructive habit, STEBBING Ind. For. **32** (534) and (219–223) Bombay J. Nat. Hist. Soc. **17.**—*D. ochraceipennis* Tenasserim, LESNE (399) Paris Ann. soc. ent. **75, sp. n.**

Heterarthron jamaicensis Jamaique (397), *caribeanus* Guadeloupe and Trinidad (399), LESNE T.c., **spp. n.**

Micrapate bicostula Rio Janeiro (406), *pupulus* Amazone (407), *paterala* Tchad, *neglecta* Sierra Leone (409), **spp. n.**, LESNE T.c.—*M. unguiculata* (273), *guatemalensis* (274), *foraminata* (275), *labialis* (278), *sericeicollis* (279), Amérique céntrale, LESNE Abeille **30, spp. n.**—*M. wagneri* Argentine, LESNE (12) Bull. Mus. Paris **12, sp. n.**

Phonapate discreta Afrique occ., LESNE (415) Genova Ann. Mus. **42, sp. n.**

Psoa (*Acrepis*) *sexguttata* Malaisie ou Mexique?, LESNE (393) Paris Ann. soc. ent. **75, sp. n.**

Scobicia: habits, LESNE (251) Abeille **30.**

Sinocalon **gen. n.** *Sinoxylinae* (447), *reticulatum* (451), *pilosulum* (452), **spp. n.**, Argentine, LESNE Paris Ann. Soc. ent. **75.**

Sinoxylon anale = (*geminatum* Schilsky), LESNE (249) Abeille **30.**—*S. bufo* Borneo (482), *pachyodon* Birmanie (486), *divaricatum* Pays Somali (495), *epipleurale* Nyassa (496), *bellicosum* Graham Town (497), *erasicauda* Tanganyika (502), *angolense* Angola (507), *cuneolus* Transvaal (508), *dichroum* Birmanie (508), *pubens* Inde (511), *birmanum* Birmanie (540), *flabrarius* Tonkin etc. (543), *cucumella* Himalaya (544), **spp. n.**; *S. crassum dekkanense* subsp. n. (538), *atratum kohlarianum* subsp. n. (540), *transvaalense spathiferum* (533), *tr. verrugerum* (534), subspp. n., *senegalense* var. n. *vermiculatum* (501), LESNE Paris Ann. Soc. ent. **75.**—*S. ruficorne guineense* subsp. n. (413), *abruptum* Guinée portugaise **sp. n.** (414), LESNE Genova Ann. Mus. **42.**—*S. sexdentatum*, natural history, BARBEY Feuille jeunes natural. Paris **36** (93–97).

Xylionulus epigrus Zambèze, LESNE (409) Paris Ann. Soc. ent. **75, sp. n.**

Xylobosca decisa Australia (190), *geometrica* Roebuck bay (192), LESNE Bull. Mus. Paris **12, spp. n.**—*X. spinifrons* (415), *cuspidata* (416), *captiosa* (417), *vicaria* (418), Australie, LESNE Paris Ann. Soc. ent. **75, sp. n.**

Xyloperthodes **gen. n.** *Sinoxylinae* (545), *hova* (552), *clavula* (553), *incertus* (554), *evops* (556), *nasifer* (557), *granulatus* (558), *orthogonius, discedens*, (559), Afrique occ., LESNE T.c., **spp. n.**

Xylophorus, **gen. n.** auprès des *Enneadesmus* (419), *abnormis* **n. sp.** Ceylon (420), LESNE T.c.

Xylopsocus ritsemai Java (422), *acutespinosus* Birmanie (424), *ensifer* Tenasserim (425), LESNE T.c., **spp. n.**

(*Enneadesmus sculptifrons*, LESNE, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Lyctus punctipennis*, FAUVEL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Sinoxylon doliolum cafrum*, LESNE, Paris, Bull. soc. ent., **1905**, spp. n.)

CIOIDAE.

(*Cis notatus, litteratus, bisculatus, cribellus, porcellus, micros*, FAUVEL, Rev. ent. Caen, **23**, 1904, spp. nn.—*Cis zoufali*, Bosnien, REITTER, Entomol. Ztg. Wien, **21**, 1902, (1–9, mit 1 Taf.), sp. n.)

(*Ennearthron nigricans*, FAUVEL, T.c. sp. n.)

TENEBRIONIDAE.

Die von Fabricius beschriebenen Typen von *Tenebrioniden* in den Museen von Kopenhagen und Kiel. GEBIEN D. ent. Zs. Berlin **1906** (209–237).

Achthosus brunneus (251), *minutus* (252), N. S. Wales, CARTER Sydney N.S.W. Proc. Linn. Soc. **31, spp. n.**

Adelium coeruleum (255), *nitidum* (256), *punctum* (257) pl. xx f. 3, Australia, CARTER T.c., **spp. n.**—*Adelium* cf. *Brycopia*.

Adelphinus ordubadensis var. n. *fulvipennis* Kaukasus, REITTER Entomol. Ztg. Wien **25** (242).

Adesmia anatolica Asia minor, GANGLBAUER (275) Wien Ann. Hofmus. **20, sp. n.**

Allophylax **nom. n.** au lieu de *Neophylax* Bed. infra; BEDEL (178) Paris Bul. Soc. ent. 1906.

Alphasida lazaroi Motril, ESCALERA (235) Madrid Bol. Soc. espan. **6, sp. n.**

Alphitobius piceus, diaperinus synonymy, BEDEL (92) Paris Bull. Soc. ent. **1906.**

Amarygmus splendidulus Fabr., GEBIEN (226) D. ent. Zs. Berlin 1906.

Anemia subterranea Fabr. = (*suilla* Fairm.), GEBIEN (217) T.c.

Asida; variation of Spanish (381); *bolivari* (382), *lopezi* (383) with var *depilata*, Spain, **spp. n.**, ESCALERA Madrid Bol. Soc. esp. Hist.-Nat. **6.**—*A. reitteri* nom. n. for *convexicollis* Alld., GEBIEN (248) Entomol. Ztg. Wien **25.**—*A. sabulosa* = (*obesa* All.), BEDEL (92) Paris Bull. Soc. ent. **1906.**

Asididius convexicollis Madagascar, FAIRMAIRE (275) Paris Bull. Mus. Paris **12, sp. n.**

Blaps sp., Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27** (1 + 1–192 + 1) 4 Taf.

Brycopia taylori N.S. Wales (258) pl. xx. f. 6, CARTER Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**—*Adelium minor* and *globulosum* to *Brycopia*, Id. T.c. (259).

Byrsax cornutus synonymy, GEBIEN (218) D. ent. Zs. Berlin 1906.

Caediomorpha heteromerus, King (as *Morychus*) = (*australis* Blackb.), LEA (226) Sydney N.S.W. Proc. Linn. Soc. **31.**

Caenoblaps **gen. n.** *Blaptini* (24), *difformis* Kaukasus **sp. n.** (25), KOENIG Entomol. Ztg. Wien 1906.

Caenocorse Thoms. = (*Palorus* Duv.), BEDEL (92) Paris Bull. Soc. ent. **1906.**

Camaria aenea Fabr., GEBIEN (222) D. ent. Zs. Berlin 1906.—*C. dolorosa* Madagascar, FAIRMAIRE (273) Bull. Mus. Paris **12, sp. n.**

Cardiothorax; revised (236–240), *angusticollis* (240) pl. xx f. 8, *aureus* (241) f. 1, *australis* (242), *batesi* (243) f. 2, *lachlanensis* (244), *punctostriatus* (246), *pygmaeus* (247) f. 9, *rugosus* (248), *coeruleo-niger* (250), Australia, CARTER Sydney N.S.W. Proc. Linn. Soc. **31, spp. n.**

Catomus obsoletus var. n. *semiobscura*, PIC (41) Echange **22.**

Chalcostylus striolatus Madagascar, FAIRMAIRE (274) Bull. Mus. Paris **12, sp. n.**

Cleteus **gen. n.** voisin des *Luarezius* (274), *marginicollis* **sp. n.** Madagascar (275), FAIRMAIRE T.c.

Cnemodinus **nom. n.** = *Cnemodus* Horn, COCKERELL (242) Ent. News **17.**

Corticeus suberis Luc. = (*rufulus* Ros.), BEDEL (92) Paris Bull. Soc. ent. 1906.

Crypticus pentheri Asia Minor, GANGLBAUER (278) Wien Ann. Hofmus. **20, sp. n.**

Cyrtostoma ? nitidula Fabr., GEBIEN (223) D. ent. Zs. Berlin 1906.

Daedrosis hirsuta Australia, CARTER (254) pl. xx. f. 14 Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

Dendarus Lap. = (*Pendarus* Muls. = *Phylax* Br.), BEDEL (92) Paris Bull. Soc. ent. **1906.**

Dichillus inhumeralis Turkestan, PIC (18) Echange **22, sp. n.**

Eschatoporis **gen. n.** near *Eulabis* (76), *nunenmacheri* **sp. n.** California (77), BLAISDELL Ent. News **17.**

Eupsophulus **nom. n.** for *Eupsophus* Horn, COCKERELL (242) Ent. News **17.**

Eurynotus capensis Fabr. = (*muricatus* Kirb.), GEBIEN (211) D. ent. Zs. Berlin 1906.—*E. granulatus* Fabr. = (*norrisi* Muls.), GEBIEN (230) T.c.

Globasida schrammi Murcia, ESCALERA (193) Madrid Bol. Soc. espan. **6, sp. n.**

Gonocephalum simplex Fabr. = (*aequale* Er., *micans* Germ., *segne* Thoms.), *G. crenatum* Fabr. to *Scleropatrum*, *G. oblongum* Fabr. = (*elongatum* Guér.), GEBIEN (213–215) D. ent. Zs. Berlin 1906.

Gonocnemis sericeus Fabr. = *Synopticas dapsoides* Fairm., GEBIEN (225) T.c.

Heliocaës **nom. n.** for *Heliopates* Muls., BEDEL (92) Paris Bull. soc. ent. 1906.

Heliopathes, Begründung des Namens, HEYDEN Entomol. Ztg. Wien **25** (135–136).

Heliophilus Latr. subgen. *Pedinus* Latr. divisions and their nomenclature, SEIDLITZ Entomol. Ztg. Wien **25** (289).

Helops liliputanus (375), *tomentosus* (376), Spain, REITTER Bol. Soc. esp. Hist. Nat. **6, spp. n.**—*H. pentheri* Asia Minor, GANGLBAUER (278) Wien Ann. Hofmus. **20, sp. n.**—*H.* (*Stenomax*) *steindachneri* **sp. n.** Albanien, APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. I (1671).

Hydromedion nitidum S. Georgia (9), pl. 1 f. 3, larva (10) f 4, MJÖBERG Uppsala Arkiv. Zool. **3** No. 13, **sp. n.**

Hypophloeus unicolor var. n. *pseudocastaneus* Oesterr. Occupationsgebiet & Attica, REITTER Entomol. Ztg. Wien **25** (242).

Idatius **gen. n.** voisin di *Nesogena* (276), *ophthalmicus* **sp. n.** Madagascar (277), FAIRMAIRE Bull. Mus. Paris **12.**

Kokeniella **gen. n.** *Tentyrini* (41), *mesostenoides* Salt Range **sp. n.** (42), REITTER Entomol. Ztg. Wien **25.**

Laena gebieni with var. n. *kaschmirensis*, *nigritissima*, *rosti*, Kaschmir, *hauseri*, *alaiensis*, *edda*, Turkestan, *osmanlis* Turkei, *pilosissima* Bukarest, **spp. n.**, REITTER D. ent. Zs. **1906** (442–448).

Lepispilus styggianus and *sulcicollis* distinguished, CARTER (258) Sydney N.S.W. Proc. Linn. Soc. **31.**

Lichenum canaliculatum Fabr., GEBIEN (216) D. ent. Zs. Berlin 1906.

Liodema maculatum Fabr., GEBIEN (219) T.c.

Lobothorax (*Discotus*) *viberti* **sp. n.** Algier, REITTER Entomol. Ztg. Wien **25** (240).

Neophylax **nom. n.** for *Phylax* Muls., BEDEL (92) Paris Bull. Soc. ent. **1906**, cf. *Allophylax*.

Nesogena cyanipennis (277), *obscurovirens* (278), Madagascar, FAIRMAIRE Bull. Mus. Paris **12, sp. n.**

Nyctelia circumundata Patagonie, LESNE (15) Bull. Mus. Paris **12, sp. n.** —*N. longeplicata* f. 12, *bremei* f. 11, FAIRMAIRE (41) pl. i Résult. Belgica, Zoologie.

Nyctobates punctulatus Fabr. (? = *Milaris attenuatocollis* Motsch., GEBIEN (230) D. ent. Zs. Berlin 1906.

Oeatus excavatus Fabr., GEBIEN (221) T.c.

Ogcosoma canaliculata Fabr. = (*guineense* Haag), GEBIEN (211) T.c.

Opatrum porcatum Fabr. synonymy, GEBIEN (212, 213) T.c.

Otrintus striatus N. S. Wales, CARTER (253) pl. xx f. 4, Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

Pachychile (*Lophoma*) *punctata* F., Vorkommen in Andalusien, REITTER Entomol. Ztg. Wien **25**, (140).

Perimylops antarcticus, larva, MJÖBERG Uppsala Arkiv. Zool. **3** No. 13 (12) pl. i f. 5.

Phaeogala serricornis (280), *fulvipennis* (281), Madagascar, FAIRMAIRE Bull. Mus. Paris **12, spp. n.**

Phaleria cadaverina, synonymy, GEBIEN (217) D. ent. Zs. Berlin 1906.

Phylan Steph. = (*Olocrates* Muls. = *Heliopates* Redt.), BEDEL (92) Paris Bull. Soc. ent. **1906.**

Pilobalia alboscripta Pérou, FAIRMAIRE Paris Ann. Soc. ent. **72** (461–468), **sp. n.** (Omitted from 1903 Record).

Pimelia crenata Fabr. = (*grandicollis* Kr.), GEBIEN (211) D. ent. Zs. Berlin 1906.—*P.* (*Gedeon*) *werneri* Asia Minor, GANGLBAUER (277) Wien Ann. Hofmus. **20, sp. n.**

Reitterella turkestanica Turkestan, PIC (33) Echange **22, sp. n.**

Rhytinota kokeni **sp. n.** Salt Range, REITTER Entomol. Ztg. Wien **25** (42).

Seleron ferrugineum Fabr. = (*denticolle* Fairm. = *discicolle* Reitt.), GEBIEN (217) D. ent. Zs. Berlin 1906.

Scleropatrum strigatum Fabr., GEBIEN (215) T.c.

Setenis impressa Fabr., GEBIEN (231) T.c.

Sphaerocaulus echidna Madagascar, FAIRMAIRE (276) Bull. Mus. Paris **12, sp. n.**

Sphenothorax **gen. n.** for *Tenebrio nitidulus* Fabr., GEBIEN (232) D. ent. Zs. Berlin 1906.

Sternodes caspius, Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27** (1 + 1–192 + 1) 4 Taf.

Strongylium fusco-aenescens Madagascar, FAIRMAIRE (276) Bull. Mus. Paris **12, sp. n.**

Sulpius **gen. n.**, voisin des *Clitobius*, *punctostriatus* **sp. n.** Madagascar, FAIRMAIRE (273) T.c.

Sympiezocnemis gigantea, Beinbildung u. Lebensweise, FAUSSEK St. Peterburg Zap. Russ Geogr. Obšč. **27** (1 + 1–192 + 1).

Tarpela bicolor Fabr., GEBIEN (224) D. ent. Zs. Berlin 1906.

Tentyria calabrica **sp. n.**, REITTER Entomol. Ztg. Wien **25** (130).—*T. orbiculata, haagi, aegyptiaca*, synonymical note, GEBIEN (230) D. ent. Zs. Berlin 1906.

Thisias apicenotatus **sp. n.** Brésil, *marmoratus* Champ. var. n. *subelongata*, PIC (36) Echange **22**.

Trachyscelis nigra Sydney pl. xx f. 11, CARTER (251) Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

The following Tenebrionidae have been recorded in previous issues of the Zoological Record.

(*Adelium pustulosum, austrocaledonicum*, FAUVEL, Rev. ent., Caen, **23**, 1904, spp. n.—*A. helmsi* Macleay River, *reticulatum*, Kurrajong, *violaceum*, Tweed River, *minor*, Ourimbah, *globulosum*, Kurrajong, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30**, (181–184), spp. n.)

(*Akis spinosa* L. *ragusae* var. n., REITTER, Naturalista sicil., Palermo, **17**, 1904, (97).)

(*Arrhenoplita ensifera*, FAUVEL, Rev. ent. Caen., **23**, 1904, sp. n.)

(*Asidelia* n. gen., *contracta* sp. n., FAIRMAIRE, Paris, Ann. soc. ent., **74**.)

(*Bolitotherus cordicollis, cancroïdes*, FAUVEL, Rev. ent. Caen, **23**, 1904, spp. n.)

(*Cœdius globosus*, FAUVEL, T.c. sp. n.)

(*Callismilax bavayi, variolosa, interrupta, fulgurans, coelestina, numeensis, externa, suturalis, arcitenens, caviceps, gloriosa, semiviolacea, plicicollis, auripennis, virescens, sulcipennis, setigera*, FAUVEL, T.c. spp. n.)

(*Camaria, obtusa, impressifrons, biaculeata*, FAIRMAIRE, Paris, Ann. soc. ent., **74**, spp. n.)

(*Ceramba* gen. n., *hydrovatina*, sp. n., FAUVEL, Rev. ent., Caen, **23**.)

(*Ceropria caerulea*, FAUVEL, T.c. sp. n.)

(*Cerostena infravestita, semistrigosa*, FAIRMAIRE, Paris, Ann. soc. ent., **74**, spp. n.)

(*Cilibe asidœformis*, FAUVEL, Rev. ent., Caen, **23**, sp. n.)

(*Coripera morleyana, distincta*, Blue Mts., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30**, (184–186), spp. n.)

(*Crypticus vaucheri*, BEDEL, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Cymbœba bavayi sulcipennis, muscorum, indigacea, planipennis*, FAUVEL, Rev. ent., Caen, **23**, 1904, spp. n.)

(*Derosimus* gen. n., *quadricollis*, sp. n., FAIRMAIRE, Paris, Bul. soc. ent., **1904**.)

(*Diaclina picta* sp. n., FAUVEL, Rev. ent., Caen, **23**, sp. n.)

(*Diostolinus acuticollis, quadricollis, fortipes*, FAIRMAIRE, Paris, Ann. soc. ent., **74**, spp. n.)

(*Dietopsis bucculata, tenuis*, FAIRMAIRE, T.c. spp. n.)

(*Ectomopsis* gen. n., *bruchi* sp. n., FAIRMAIRE, T.c.)

(*Edrotinus* gen. n., *tucumanus*, sp. n., Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903.)

(*Emmallodera granocostata, strangulata*, FAIRMAIRE, Paris, Ann. soc. ent., **74**, spp. n.)

(*Encara nigrum*, Moruya, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30**, (178), sp. n.)

(*Entomoderes pustulosus*, FAIRMAIRE, Paris, Ann. soc. ent., **74**, sp. n.)

(*Epipedonota planiuscula*, FAIRMAIRE, sp. n., T.c.—*E. strigosicollis*, Argentine, FAIRMAIRE, Paris, Bul. soc. ent., **1904**, sp. n.)

(*Episopus cavipennis, championi, viridipennis, violaceipennis*, FAUVEL, Rev. ent. Caen, **23**, 1904, spp. n.)

(*Eustenia* gen. n. *tenuimembris* FAIRMAIRE, Paris, Ann. soc. ent., **74**, sp. n.)

(*Hyocis championi*, FAUVEL, Rev. ent. Caen, **23**, sp. n.)

(*Iscanus* gen. n., *kuniensis* sp. n., FAUVEL, T.c.)

(*Isopus kanak, obtusus, productus, apicipennis, sulcifer, morychoides*, FAUVEL, T.c., spp. n.)

(*Laena bodemeyeri*, Kleinasien, REITTER, Entomol. Ztg, Wien, **22**, 1903, (224), sp. n.)

(*Leptinoderes strangulatus*, Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903, sp. n.)

(*Lorelus ocularis*, FAUVEL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Melasia apicipennis, fortestriata, punctata, microciphala, opacipennis, isoceroides, miriceps*, FAUVEL, T.c., (spp. n.)

(*Menephilus aeneus*, Rose Bay, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30**, (179), sp. n.)

(*Nyctelia vageimpressa, rotundipennis, iuadriplicata*, Argentine, FAIRMAIRE, Paris, Bul. Soc. ent., **1904**, (61–64), qpp. n.—*N. timarchoides, suturacava, geometrica, confluens, discoïdalis, exasperata, blapoïdes, pinguis, quadricarinata, unicostata, bifoveata, planicauda, producta, dorsata, crassecostata, quadricollis*, FAIRMAIRE, Paris, Ann. Soc. ent., **74**, spp. n.)

(*Oochrotus glaber*, DEMAISON, Paris, Bul. soc. ent., **1904**, sp. n.)

(*Otrintus jacksoni*, Bellinger River, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30**, (180), sp. n.)

(*Palorus laxipunctus*. FAUVEL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Païta* gen. n., *setosella* sp. n., FAUVEL, T.c.)

Phobelius semigranosus, FAIRMAIRE, Paris, Ann. soc, ent., **74**, sp. n.)

(*Phymatosoma rutilans*, FAIRMAIRE, Mission Pavie, **3**, sp. n.)

(*Praocidia* gen. n., Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903.)

(*Psectrascelis ambigena, semistrigosa*, Tucuman, FAIRMAIRE, Paris, Ann. soc. ent., **72**, 1903, spp. n.—*P. cariosicollis*, Argentine, FAIRMAIRE, Paris, Bull. soc. ent., **1904**, sp. n.—*P. coriaria*, FAIRMAIRE, Paris, Ann. soc. ent., **74**, sp. n.)

(*Pseudelops fossatus, remotus, annulipes, macellus, trapezus*, FAUVEL, Rev. ent. Caen, **23**, 1904, spp. n.)

(*Pterohelaeus icarus*, Forbes, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **33**, (177), sp. n.)

(*Scotobius depressicollis, ligans*, Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903, spp. n.—*S. caraboïdes, cribricollis, quadricostatus*, FAIRMAIRE, Paris, Ann. Soc. ent., **74**, spp. n.)

(*Strongylium cupreocinctum*, Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903, sp. n.)

(*Telleus* gen. n., *crenatus* sp. n., Tucuman, FAIRMAIRE, T.c.)

(*Thesilea mirabilis, kanalensis, politula, versicolor, purpurea*, FAUVEL, Rev. ent., Caen, **24**, 1905, spp. n.)

CISTELIDAE = ALLECULIDAE.

Brachycala **gen. n.** voisin de *Allecula, quadrivittata* **sp. n.** Madagascar, FAIRMAIRE (278) Bull. Mus. Paris **12**.

Cistela quinquelineata (278), *interrupta, sexvittata*, (279), *subvittata* (280), Madagascar, FAIRMAIRE T.c., **spp. n.**

Ctenoposomus **subgen. n.** *Cteniopus*, REITTER Brünn Verh. Natf. Ver. **44** (135).

Gastrhaema nigripennis Fabr. varr. n., REITTER T.c. (136).

Heliomophlus **subgen. n.** *Heliotaurus*, REITTER T.c. (147).

Heliotaurus distinctus and *plenifrons*, PIC Paris Bul. soc. ent. **1906** (186–187). —*H. sanguinicollis* Spanien, *seidlitzi* Algier & Sizilien **spp. n.**, REITTER Brünn Verh. Natf. Ver. **44** (143).

Holdhausia **gen. n.** für *Cteniopus* (?) *crassus* Fairm., REITTER T.c. (125).

Julogenius **subgen n.** *Heliotaurus*, REITTER T.c. (136).

Megischina **gen. n.** für *adaliae, armillata, rosinae*, REITTER T.c. (171).

Omophlina pentheri Asia Minor, GANGLBAUER (279) Wien Ann. Hofmus. **20, sp. n.**

Omophlini; Uebersicht der europäischen Arten, REITTER Brünn Verh. Natf. Ver. **44** (115–175).

Omophlus anatolicus, *atticus*, Attica & Euboea, *bodemyeri* Kleinasien, *conicicollis* Kurdistan, *dubitatus* Russ.-Armenien, *irregularis* Hochsyrien, *lepidus* Kleinasien, *mitis* Kaukasus & Samarkand, *salbachi* Hochsyrien, *sandneri* Kleinasien & Kurdistan, *talyschensis*, *turanicus*, **spp. n.**, Reitter Brünn Verh. Natf. Ver. **44** (155).—*O. quadricollis*, Auftreten, Verbreitung, Schaden, Šugurov Zap. Obšč. selisk. choz. Južn. Ross. **75** (87–94).—*O. reitteri* **sp. n.** Kaukasus, Koenig Entomol. Ztg. Wien **25** (25).

Pleuromophlus **subgen. n.** *Heliotaurus*, Reitter T.c. (146).

Podonta bodemeyeri Kleinasien, *flecki* Dobrutscha, *rotundangula* Kleinasien, **spp. n.**, Reitter T.c. (123).

Rhinobarus **subgen. n.** *Cteniopus*, Reitter T.c. (131).

Stenerophlina **gen. n.** für *Omophlina hauseri* Reitt., Reitter T.c. (130).

Viriathus alternans Madagascar, Fairmaire (280) Bull. Mus. Paris **12**, **sp. n.**

(*Allecula strigicollis*, *rugicollis*, *quadrillum*, *phyllocera*, *simplex*, *tenuicornis*, *pusilla*, *insulana*, *laevior*, *cupreipennis*, *umbonata*, *montana*, *curticollis*, *anthracina*, *opacula*, Fauvel, Rev. ent., Caen, **24**, 1905, spp. n.)

(*Lystronychus humeralis*, Fairmaire, Paris, Ann. soc. ent., **74**, sp. n.)

(*Omophlus splendidus*, Bedel, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Prionychus nitidissimus*, Pic, (383), Paris, Bul. soc. ent., **1904**, sp. n.)

Melandryidae.

Abdera picea Walk. is not *A.* (*Carida*) *affinis* Payk., Sharp (220) Ent. Mag. London **42**.

Eustrophus brunneimarginatus **sp. n.** Cincinnati, Dury Cincinnati Ohio J. Soc. **20** (251–256).

Tolmerus longipennis, Fairmaire (42) pl. i f. 13 Résult. Belgica, Zoologie.

(*Phloeotrya nebulosa*, *lancifera*, Fauvel, Rev. ent., Caen, **24**, 1905, spp. n.)

Lagriidae.

Nemostira elegans Madagascar, Fairmaire (281) Bul. Mus. Paris **12**, **sp. n.**

(*Lagria heros*, *denticornis*, *rhytidonota*, Borneo, Fairmaire, Paris, Bul. soc. ent., **1903**, (300–301), spp. n.)

(*Sphinctoderus* gen. n., *strangulatus* sp. n., Borneo, Fairmaire, Paris, Bul. soc. ent., **1903**, (300–301).)

Anthicidae, Xylophilidae, Pedilidae.

Anthicus amazonicus Amazones, *sparsepunctatus* Manille, Pic (58) Echange **22**, **spp. n.**—*A. manueli* Valencia, Pic (12) T.c., **sp. n.**—*A. balachanus* Transcaspian, *hauseri* Thibet, Pic (49) T.c., **spp. n.**—*A. insolubilis*, *alaiensis*, Turkestan, Pic (19) T.c., **spp. n.**—*A. insperatus* Turkestan, Pic (46) Paris Bul. Soc. entom. **1906**, **sp. n.**—*A. hammani viberti* subsp. n., *bonnairei* var. *nubilicollis* var. n. (284), *insignitus* **sp. n.** Tunis (285), Pic T.c.—*A. subcoeruleus* (78), *rosti* (79), Kashmir, Pic T.c., **spp. n.**—*A. subcrassipes* Pondichéry, Pic (62) Paris Bul. soc. zool. **31**, **sp. n.**—*A. postmaculatus* Buenos Aires (329), *A.* (*Ischyropalpus*) *bruchi* Tucuman (330), **spp. n.**; *bimaculifer* var. n. *carlosi*, *albofasciatus* var. n. *argentina*; Pic Revist. Mus. La Plata **11** (330) 1904.

Conomorphus apicalis Brésil, Pic (45) Echange **22**, **sp. n.**

Formicilla bruchi Buenos Aires, Pic (329) Revist. Mus. La Plata **11** 1904, **sp. n.**

Formicomus curtipennis Afrique or., Pic (23) Bul. Mus. Paris **12**, **sp. n.**—*F. birmanicus* Birmania, Pic (61) Paris Bul. Soc. Zool. **31**, **sp. n.**—*F. fouqueti* Saïgon, Pic (18) Echange **22**, **sp. n.**—*F. hauseri* Pic et *F. sterbae* Reitter, Pic Paris Bul. soc. ent. **1906** (175–176).—*F. sterbae* Rttr., *hauseri* Pic, *latro* Laf., Synonymie, Reitter Entomol. Ztg. Wien **25** (21).

Hylophilus feai **sp. n.** Iles du Cap Vert, Pic Genova Ann. Mus. **42** (234).—*H. pictus* (30), *atratus* (31), *brevicollis*, *densicollis*, *bicinctus*, (32), New Caledonia, Fauvel Rev. ent. Caen **25**, **spp. n.**

Macratria caledonica New Caledonia, FAUVEL (29) T.c., **sp. n.**

Notoxus rothschildi Afrique or., PIC (22) Bul. Mus. Paris **12, sp. n.**

Physcius impressipennis (55), *brasiliensis, subdepressus,* (56), Brésil, PIC Echange **22, spp. n.**—*P. maculatus* St. Domingo, PIC (176) Naturaliste 1906, **sp. n.**

Tanarthropsis virginalis (168), *mormon, inyo,* (169), *infernalis* (171), N. America, **spp. n.,** WICKHAM Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**

(*Formicomus sterbae,* Turkestan, REITTER, Entomol. Ztg., Wien, **24,** 1905, (206), sp. n.)

(*Hylophilus bottegoi, diversicornis, grandipes, punctatus, magniceps, distincticornis, vicinus, apicipennis, rufithorax, vicinus, obscuricolor, semibrunneus,* PIC, Paris, Ann. soc. ent., **74,** 1905, spp. n.)

(*Anthicus decerptus* sp. n., PIC, Paris, Bul. soc. ent., **1904,** (118–119).—*A. lobatus, remotus,* PIC, Paris, Bul. soc. ent., **1905,** sp. n.)

(*Egestria albilineata,* Gosford, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30,** (189), sp. n.)

(*Hylophilus angusticollis, decorsei,* PIC, Paris, Bul. soc. ent., **1904,** spp. n.)

(*Macratria basithorax,* PIC, Paris, Bul. soc. ent., **1905,** sp. n.)

RHIPIPHORIDAE.

Blattivorus madagascariensis Madagascar, CHOBAUT (203) Paris Bul. Soc. ent. **1906, sp. n.**

Macrosiagon (Emenadia) baeri, multinotata, (175), *brasiliensis* (176), **spp. n.,** S. America, *limbata* var. n. *angustissima* (176), PIC Naturaliste 1906.—*M. (Emenadia) biolleyi* Costa Rica, PIC (56) Echange **22, sp. n.**

Macrosiagon tricuspidata triongulinide, CHOBAUT Paris Bul. soc. ent. **1906,** (270–272) av. fig.—*M. (Emenadia) varicollis* Fairm. var. n. *tonkinea, ladeleuci* **sp. n.** Iles Andaman, PIC (44) Echange **22.**

Myiodes subdipterus Bosc., habitat, synonymie, CHOBAUT Paris Bul. soc. ent. **1906** (223–224).—*M. subdipterus* Bosc., triongulinide, CHOBAUT Paris Bul. soc. ent. **1906** (238–244) av. fig.

Rhyzostylops **gen. n.** *Rhipiphoridae* approaching *Stylopidae* (316), *inquirendus* **sp. n.** Umbria (317) pl. xx, SILVESTRI Redia **3.**

(*Ancholaemus acuminatus,* Brasil, FAIRMAIRE, Paris, Bul. soc. ent., **1904,** sp. n.)

(*Evaniocera,* palaearctische Arten, REITTER, Entomol. Ztg, Wien, **22,** 1903, (237–238).—*E. hauseri* sp. n., Persien, REITTER, Entomol. Ztg, Wien, **22,** 1903, (238).)

(*Macrosiagon carinicollis,* FAUVEL, Rev. ent., Caen, **24,** 1905, sp. n.)

STREPSIPTERA.

Strepsiptera is a division of *Coleoptera,* FRIESE (737–740) Zool. Anz. **29.**

How to collect *Stylopidae,* DURY Ohio Nat. **6** (443).

Elenchus tenuicornis, metamorphosis, MUIR (6-10) pl. i Honolulu Exp. Stat. Bull. **2.**

Xenos moutoni, male, DU BUYSSON (11) Rev. ent. Caen **25.**

MORDELLIDAE.

Anaspis (Silaria) tibialis Kashmir (24), *bickhardti* Corsica (25), SCHILSKY Küster Käf. Eur. **43, spp. n.**

Mordella reticulata (281), *tetragramma, melanozosta, denudata,* (282), Madagascar, FAIRMAIRE Bul. Mus. Paris **12, spp. n.**—*M. weisei* **sp. n.** Usambara, SCHILSKY D. ent. Zs. **1906** (465).

Mordellistena antennata **sp. n.** Usambara, SCHILSKY T.c. (466).—*M. delicatula* **sp. n.** Cincinnati, DURY Cincinnati Ohio J. Soc. **20** (251–256).

(*Anaspis (Silaria) numeensis,* FAUVEL, Rev. ent., Caen, **24,** 1905, sp. n.)

(*Mordellistena arabica,* Arabie, CHOBAUT, Paris, Bul. soc. ent., **1904,** sp. n.—*M. caledonica,* FAUVEL, Rev. ent., Caen, **24,** 1905, sp. n.)

CANTHARIDAE = MELOIDAE.

Cantharis cinereovestita = (*Lagorinamus* Esch.), PIC (48) Paris Bul. soc. entom. **1906.**

Coryna rothschildi Afrique or., Pic (23) Bul. Mus. Paris **12, sp. n.**

Filalia (Sitaris) cerambycina Mogador, Escalera (161) Madrid Bol. Soc. espan. **6, sp. n.**

Lytta clematidis var. n. *korbi*, Pic (18) Echange **22.**

Mylabris pentheri Asia Minor, Ganglbauer (279) Wien Ann. Hofmus. **20, sp. n.**

Rhampholyssa antennata **sp. n.** Transkaspien, Reitter Entomol. Ztg Wien **25** (36).

Zonabris oleae var n. *multinotata*, 18-*punctata* var. n. *tunisea*, Pic (26) Echange **22.**

(*Epicauta*, Uebersicht der palaearktischen Arten, Reitter, Entomol. Ztg., Wien, **24**, 1905, (194–196).—*E. obscurocephala*, China, Reitter, T.c. (194–196), sp. n.)

(*Lydus tenuicollis*, Mittelpersien, Reitter, T.c. (246), sp. n.)

(*Meloë frontalis*, Zentral-Persien, *mathiesseni*, Mittelpersien, Reitter, T.c. (245).)

(*Pseudomeloe gracilior*, *guttulatus*, *baeri*, *subifrons*, *sublaevis*, Tucuman, Fairmaire, Paris, Ann. Soc. ent., **72**, 1903, spp. n.)

(*Zonabris bosnica*, Südbosnien, Herzegowina, Reitter, Entomol. Ztg., Wien, **22**, 1903, (230), sp. n.)

(*Zonitis nigripennis*, *atriceps*, Fauvel, Rev. ent., Caen, **24**, 1905, spp. n.)

Pythidae.

Lissodema plagiatum New Caledonia, Fauvel (39) Rev. ent. Caen **25, sp. n.**

(*Rhinosimus caucasicus*, Reitter, Entomol. Ztg., Wien, **24**, 1905, (312), sp. n.)

(*Salpingus distincticollis*, *bisbimaculatus*, Madagascar, Pic, Paris, Bul. soc. ent., **1904**, sp. n.)

Pyrochroidae.

Dendroïdes grandipennis Chine, Pic (29) Echange **22, sp. n.**

Lemodes splendens N.S. Wales pl. xviii f. 9, Lea (226) Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

Pyrochroa deplanata Malabar, *bipartita* Sumatra, *impressiceps*, (28), *basalis* (29), Java, Pic Echange **22, spp. n.**

Oedemeridae.

Nacerda (Anoncodes) caucasica Caucase, Pic (19) Echange **22, sp. n.**

Probosca notatithorax Arabie, Pic (26) T.c., **sp. n.**

Selenopalpus caledonicus New Caledonia, Fauvel (34) Rev. ent. Caen **25, sp. n.**

Sessinia funerea (37), *vittigera*, *platyptera*, (38), New Caledonia, Fauvel T.c., **spp. n.**

(*Oedemera laufferi*, Spanien, Reitter, Entomol. Ztg., Wien, **24**, 1905, (206), sp. n.)

(*Pseudolychus montanus*, *rufipennis*, Blackheath, Carter, Sydney, N.S.W., Proc. Linn. Soc., **30**, (187–188), spp. n.)

Curculionidae.

Catalogue of *Curculionidae* and *Anthribidae* of Belgium, Bovie (59–93) Bruxelles Ann. Soc. ent. Belgique **50.**

Integumental structures of larvae living in wood, Leisewitz.

"Aquatic weevil," metamorphoses, Annandale and Paiva J. As. Soc. Bengal **2** (197–200).

Maxilla in Rhynchophorous *Coleoptera*. Correction to paper on development of the rostrum . . . by E. M. McClenahan ; Needham Pysche **17** (36).

Acalles = (*Trachodius* Weise), *papei* Italia, with var. *balcanicus* (96), *clermonti* Algiria (98), Solari Genova Ann. Mus. **42, spp. n.**—*A. nodipennis* Algérie, Pic (**34**) Echange **22, sp. n.**

Acallorneuma **gen. n.** prope *Acalles*, *reitteri* **sp. n.** Itilia, Mainardi Riv. Col. ital. **5** (149–156) con 4 fig.

Acamptoides **gen. n.** *Cryptorhynchides*, *angustus* **sp. n.** Guatemala pl. xxxv f. 11, Champion (712) Biol. Centr.-Amer. Col. **4** pt. 4.

Acythopeus aterrimus = (Baris *orchivora* Blackb.), LEA (101) Adelaide S. Aust. Trans. R. Soc. **30**.

Adionychus **gen. n.** for *Dionychus grandicollis* Kirsch, HELLER (27) Stettiner ent. Ztg. **67**.

Aenesias sulcifrons Mexico, CHAMPION pl. xxxv f. 30 (728) Biol. Centr.-Amer. Col. **4** pt. 4, **sp. n.**

Ampeloglypter nitidus (428), *speculifer* (429), *nicaraguensis* (430), Nicaragua, SOLARI Genova Ann. Mus. **42, spp. n.**

Anoplus setulosus, validity, DEVILLE (266) Abeille **30**.

Anopsilus inermis Paraguay (439), *mexicanus* Sierra Durango (440), SOLARI Genova Ann. Mus. **42, spp. n.**

Anthonomus otidocephaloides Panama, pl. xxxv f. 24 (722), CHAMPION, Biol. Centr.-Amer. Col. **4** pt. 4 **sp. n.**—Appareil digestif de la larve d'*A. pomorum*, BORDAS Paris C.-R. soc. biol. **60** 1905 (1163–1164).

Anotiscus **gen. n.** for part of *Homalonotus*, *densatus* Brazil, *inermis* Cayenne, (369), *umbilicatus* Guadeloupe (370), **spp. n.**, DESBROCHERS Bruxelles Ann. Soc. ent. Belgique **50**.

Aphaenicus **subg. n.** of *Mecaspis*, for *alternatus* Herbst, DESBROCHERS (31) Frelon **14**.

Apion; table of palaearctic, with subgenera, (? some of them new), and list of food-plants; SCHILSKY Küster Käf. Eur. **43**.—*A. acuminatum* Spain (31), *chobauti* Algiers (19), *clavatum* Spain (3), *deletum* Dschilarik (38), *judaicum* Palestine (18), *laufferi* Spain (20), *lenense* Siberia (67), *lesnei* Mantchuria (28), *longiceps* Daghestan (5), *monticola* Bosnia (15), *puncticolle* Susa (27), *quadricostatum* Syria (8), *rectirostre* Mantchuria (58), *sublineatum* Armenia (?) (21), *transsylvanicum* Siebenbürgen (10), **spp. n.**, SCHILSKY in Küster and Kraatz Käfer Europas **42**.—*A. corcyracum* Corfu, **sp. n.**, Id. T.c. **43**.—*A. cyladoides* (78), *transvaalense* (79), **spp. n.**, Transvaal, HARTMANN D. ent. Zs. Berlin.—*A. wagneri* **sp. n.**, Portugal, FLACH Entomol. Ztg. Wien **25** 1906 (121).—*A. rufum* Italia mer. (100), *liguricum* Liguria (101), SOLARI Genova Ann. Mus. **42, spp. n.**

Apoderus affinis (77), *rugicollis* (76), Pekin, **spp. n.**, SCHILSKY in Küster and Kraatz Käfer Europas **42**.

Apotomorrhinus orchidearum **sp. n.**, KOLBE Gartenflora Berlin **55** (2–6).

Apteromechus scabrosus pl. xxx f. 23 (621), *deciduus* f. 24, *nitidifrons* f. 25, *rugipectus*, (622), *pigmentatus* f. 26, *stigmosus* f. 27, (623), *melanostigma* f. 28, *subfasciatus* f. 29, *rugirostris*, (624), *longulus*, *punctiventris*, (625), *debilis*, *flavopunctatus* f. 31, *opacifrons*, (626), *rugulifrons*, *parvus*, *leucospilus* f. 30, (627), Central America; CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4, **spp. n.**

Arachnomorpha **gen. n.** near *Mnemyne*, *circumlineata* **sp. n.** Panama pl. iii f. 23, CHAMPION (47) T.c.

Archocopturus regalis Boh. pl. iii f. 17 (43), CHAMPION T.c.

Argoptochus; Artübersicht, (222–227), subg. n. vide *Henschia*; *interruptus* **sp. n.** Ephesus (226), REITTER Brünn Verh. Natf. Ver. **44**.—*A. periteloides* = (*Foucartia serbica* Apf.), FORMÁNEK Entomol. Ztg. Wien **25** (40).

Atroniscus **gen. n.** for *Cholus basalis*, DESBROCHERS (356) Bruxelles Ann. Soc. ent. Belgique **50**.

Attelabus spinipes **sp. n.** Pekin (88), SCHILSKY in Küster and Kraatz Käfer Europas **42**.

Bagoïmorphus **gen. n.** near *Bagous*, *laticollis* **sp. n.** Asia Minor, DESBROCHERS (11) Frelon **14**.

Bagous nupharis **sp. n.** Albanien, APFELBECK (1672) Wien SitzBer. Ak. Wiss. **115** Abt. I (1672).

Baris ignifer var. n. *chloroptera*, FUENTE (285) Madrid Bol. Soc. esp. **6**.—*B. grandicollis* Asia Minor, SCHULTZE (281) Wien Ann. Hofmus. **20, sp. n.**—*B. purpurea* Valencia, REITTER (379) Madrid Bol. Soc. esp. Hist. nat. **6, sp. n.**—*B. angophorae* (86), *sororia*, *subopaca*, (87), *vagans*, *australiae*, (88), *oblonga*, *microscopica*, (89), *sublaminata*, *elliptica*, (90), *glabra*, *albopicta*, (91), *tenuistriata* (92), *albigutta*, *niveonotata*, (93), *basirostris*, *devia*, (94), *ebenina*, *porosa*, (95), Australia or Tasmania, LEA Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**—*B. setosella* (418), *managuensis*, Nicaragua, *seriatosetosa* Messico, (419), *nicaraguensis* Managua (420), SOLARI Genova Ann. Mus. **42, spp. n.**—*B.*

orchivora cf. *Acythopeus aterrimus.*—*Baris* sp., and cole in Nord-Holland, QUANJER Haarlem Nat. Verh. Holl. Maatsch. Wet. **6** (1–84) 7 Taf.

Bothrobatys laticollis pl. xxix f. 30 (607), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4.

Brachycerus callosus Sch. = (*chevrolati* Fåhrs.), BEDEL (92) Paris Bull. Soc. ent. **1906**.—*B. interpositus, loquax* (Fst. i. l.), (66), *sulcicollis* (67), **spp. n.**, Transvaal, *granosus* and *apterus* distinguished, HARTMANN D. ent. Zs. Berlin **1906**.

Brachycnemis vittatus Colombia, DESBROCHERS (371) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Brachysomus solarii **sp. n.** Dobrudscha, FORMÁNEK Entomol. Ztg. Wien **25** (38).

Byctiscus gibbirostris **sp. n.** Japan, SCHILSKY (85) in Küster and Kraatz Käfer Europas **42**.

Caenopsis maderiensis Madère, *augustior* Algérie, PIC (3) Echange **22, spp. n.**.

Camelodes pascoei Brasile, SOLARI (438) Genova Ann. Mus. **42, sp. n.**

Catapionus semiglabratus var. n. *magnini*, PIC (34) Echange **22**.

Cathormiocerus ? *picturatus* Spain, DESBROCHERS (21) Frelon **14, sp. n.**

Catiline **gen. n.** *Ceratopina* (720), *conotrachelinus* **sp. n.** Panama pl. xxxv f. 22 (721), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4.

Caulostrophilus **gen. n.** near *Neliocarus* (13), *breviuseulus* Tangier (14), *lineellus* Andalusia (15), **spp. n.**, DESBROCHERS Frelon **14**.

Caulostrophus caesipes Algeria, SOLARI (89) Genova Ann. Mus. **42, sp. n.**

Ceutorhynchidius terminatus, BÖRNER Berlin Arb. biol. Anst. **5** (283–292).

Chaerocephalus immunis Algeria, DESBROCHERS (4) Frelon **14, sp. n.**—*C. tuniseus* Tunisie, PIC (11) Echange **22, sp. n.**

Chalcodermus speculifer **sp. n.** S. America, HELLER (30) Stettiner ent. Ztg. **67**.

Chlorophanus algiricus Algeria, DESBROCHERS (9) Frelon **14, sp. n.**

Cholus argentinicus Chaco (16), *bipertitus* Costa Rica (21), *cananchensis* Colombia (14), *chrysalis* Costa Rica (15), *jocosus* (19), *melancholicus* (17), with **var. n.** *confluens*, Colombia, *niveodecoratus* (13), *sanguinelytris* (23), *sanguineocostatus* (22), Colombia, **spp. n.**, HELLER Stettiner ent. Ztg. **67**.—*C. bipertitus* Heller pl. xxxv f. 27 (725), *chrysalis* Heller f. 28 (726), *C. pittieri* f. 26 (725) **sp. n.**, CHAMPION Biol. Centr. Amer. Col. **4** pt. 4.—*C. dispersus* (357), *coxalis*, Brazil, *similans* Colombia, *interrupte-arcuatus* Bolivia, (358), *fimbriatus*, *bipartitus*, Amazons, *niveicinctus*, *subcinctus*, Cayenne, (359), *jekeli* Amazons, *lituraticollis* Brazil, *depressiusculus*, (316), *gulo* Cayenne, *tigrinellus*, *rubiginosus*, (361), *23-maculatus* Colombia, *trilineatus* Venezuela, *biinterruptus* Antilles, (362), *championi* Bolivia, *frater* Brazil, (363), *aemulus* Amazons, *interruptefasciatus*, *subcostatus*, (364), *tenuefasciatus* (365), Colombia, DESBROCHERS Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Cionus tissoni **sp. n.** Damascus, REITTER D. ent. Zs. **1906** (451).

Cleonus; the French species, (27–75), *glaucus* var. n. *nubilus* (34), *C.* subg. n. cf. *Noctivius*, DESBROCHERS Frelon **14**.—*Cleonus mendicus* Gyll. MAYET, Paris Bul. soc. ent. **1906** (102–104) av. fig. — *C. punctiventris* Germ., Biologie, BERVAL Věst. sacharn. promyšl. **5** (243–247); Lebensweise, Bekämpfung, POSPĚLOV Věst. sacharn. promyšl. **7** (236–244, 275–283, 331–342).

Coelonertus **gen. n.** *Nertidi* (441), *squamulosus*, *nigrirostris*, (442), *alternatus* (443), *baridioides* (444), **spp. n.**, Brasile, SOLARI Genova Ann. Mus. **42**.

Conapion ripicola **sp. n.** Transvaal, HARTMANN (79) D. ent. Zs. Berlin **1906**.

Conotrachelus biolleyi Costa Rica, CHAMPION pl. xxxv f. 29 (727) Biol. Centr.-Amer. Col. **4** pt. 4 **sp. n.**—*C. tuberculicollis* (339), *arizonicus*, *ecarinatus*, (340), Arizona, *texanus* Brownsville (342), SCHAEFFER Canad. Entomol. **38, spp. n.**

Copturomimus cinereus Hell., pl. iv f 24 (64), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.—*C. ochreonotatus* pl. iv f. 18 (60), *rufocinctus* f. 19, *octocos-*

tatus f. 20, (61), *stridulans* f. 21, *caeruleotinctus* f. 22, (62), *asperatus* f. 23, *sparsus*, (63), *brevicollis*, *confluens* f. 25, (64), Central America, CHAMPION T.c., **spp. n.**

Copturomorpha **gen. n.** *Zygopina* (65), *interrupta* pl. iv f. 26, *11-notata* f. 27, (66), *rugipennis*, *albomaculata* f. 28, *albosignata* f. 29, (67), *leucosticta* f. 30, *funerea*, (68), **spp. n.**, Central America, CHAMPION T.c.

Copturus centralis, pl. v f. 6 (71), *exaratus*, *verrucosus* f. 7, (72), *constrictus* f. 8, *unifasciatus* f. 9, (73), *lynceus* f. 10, *fulvomaculatus* f. 11, (74), *sericeus* f. 12, *maculosus* f. 13, (75), *tricolor* f. 14, *montezuma* f. 15, (76), *cincticollis* f. 17 (77), *quadricolor* f. 18, *ruficollis* f. 19, (78), *atrosignatus* f. 24, (79), *histricus* f. 28, *amoenus* f. 29, (81), *fulvocruciatus* f. 30, *multiguttatus* f. 31, (82), *griclipes* f. 32, *bicinctus* f. 33, *undatus*, (83), *fulvosignatus* pl. vi f. 1, *ignicollis* f. 2, (84), *albidus* f. 3 (85), *latitarsis* (86), Central America, CHAMPION T.c., **spp. n.**—*C. horridus*, *jatrophae*, (56), *filicornis* (57), *princeps*, *littoralis*, (58), *mediinotus* (59), *dehiscens*, *centropictus*, (60), **spp. n.**, N. America, FALL Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**—*C. martae* Hell., pl. v f. 1, *avicularis* Boh. f. 2, (70), *deplanus* Fabr. figs. 3 4, *mexicanus* Hell. f. 5, (71), *neohispanicus* Hell. f. 16 (77), *conturbatus* Hell. f. 20, *torquatus* Hell. f. 21, (78), *lamprothorax* Hell. figs. 22 23 (79), *quadricinctus* Hell. f. 25, *ludiosus* Boh. f. 26, *gracilis* Hell. f. 27, (80), *furfuraceus* Germ. f. 4 (85), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

Corigetus coniceps **sp. n.** Ost-Turkestan, REITTER Entomol. Ztg. Wien **25** (244).

Costolatychus **gen. n.** for *Piazurus ochreocephalus* Schönh., HELLER (35) Stettiner ent. Ztg. **67.**

Cratosomus punctulatus Gyll. pl. i f. 3 (3), varr. and synonymy (4), *lafontii* Guér. f. 8, *gemmatus* Lec. f. 9, (5), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.—*C. annulipes* pl. i f. 1 (3), *spicatus* f. 11, *augustus* pl. ii f. 1, (6), *pulverulentus* pl. i f. 12, *aspersus* f. 13, (7), *cuneatus* f. 14, *bidens* f. 16, (8), Central America, CHAMPION T.c., **spp. n.**

Cryptorrhynchus foveatus Boh. pl. xxxi f. 15 (637), *plumipes* Boh. (as *Gasterocercus*) f. 19 (640), *dorsalis* Boh. pl. xxxiii f. 7, (671), *tirunculus* Boh. f. 13 (673), *consobrinus* f. 21 (679), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4.—*C. mistus* pl. xxxi f. 8 (633), *cordubensis* f. 9, *latisquamis* f. 10, (634), *sublineatus* f. 11, *belti* f. 12, (635), *atrosignatus* f. 13 (636), *variolosus*, *convexicollis* f. 14, (637), *melastomae* f. 16 (638), *crotonis* f. 17, *aequalis* f. 18, (639), *spiculosus* f. 21 (641), *placatus* f. 22, *curtirostris* f. 23 (642), *yucatanus* (643), *foveifrons* f. 24, *v-nigrum* f. 25, (644), *bicruciatus* f. 26, *octomaculatus* f. 27, (645), *scopulatus* f. 28, *plagiaticollis* f. 29, (646), *alutaceus* f. 30, *formosus* f. 31, (647), *inelegans* pl. xxxii f. 1 (648), *conspurcatus* f. 2, *nigrocristatus* f. 3, (649), *lacteicollis* f. 4 (650), *oculeus* f. 5, *ruralis*, (651), *dorsuarius* f. 6, *ferox* f. 7, (652), *cinctipes* f. 9, (653), *bivittatus* f. 10 (654), *alboscutellatus* f. 11, *scutatus* f. 12, (655), *hirtimanus* f. 13, *fulvicollis* f. 14, (656), *bipupillatus* f. 15, *rugipes* f. 16, (657), *patruelis*, *coriarius* f. 17, (658), *seticollis*, *ignobilis* f. 18, (659), *granulosus* f. 19, *paleatus* f. 20, (660), *melancholicus*, *infuscatus*, *fraterculus* f. 21, (661), *commixtus* f. 22, *tenebrosus* f. 23, (662), *cinereus* f. 24, *albopunctatus* f. 25, (663), *biguttatus* f. 26, *bimaculatus* f. 27, (664), *tortuosus* f. 28, *singularis* f. 29, (665), *insolitus* f. 30 (666), *quadriplagiatus* f. 31, *carinifer* f. 32, (667), *bifenestratus* pl. xxxiii f. 1 (668), *collinus* f. 2, *divexus* f. 3, (669), *caliginosus* f. 4, *octonotatus* f. 5, (670), *evanescens* f. 6, *eruptus* figs. 8 and 9, (671), *macer* f. 10, *sinuatipes* f. 11, (672), *medioximus* f. 12, *fucatus* f. 14, *intricatus* f. 15, (674), *cancellatus* f. 16, (675), *degressus* f. 17, *bioculatus* f. 18, (676), *stigmatophorus* f. 19, *distigma*, (677), *diophthalmus* f. 20, *leucostigma*, *leucaspis*, (678), *silaceus* f. 22 (679), *bisinuatus* f. 23, *duplaris*, (680), *suturalis* f. 24 (681), *subcaudatus* f. 25, *guttatus*, (682), *nigroplagiatus* f. 26 (683), *uncipes* f. 27, *simplex*, (684), *opaciventris*, *disjunctus*, *quadrituberculatus* f. 29, (685), *senticosus*, *contaminatus* f. 30, (686), *enodis* f. 31, *tectus* f. 32, (687), *flohri*, *phaleratus* pl. xxxiv f. 1, (688), *undulatus* f. 2, *decorus* f. 3, (689), *collabismoides* f. 4, *erraticus* f. 5, (690), *anthonomoides* f. 6, *fulvofasciatus*, (691), *sedulus* f. 7, *interlitus* f. 8,

(692), *unipunctatus* f. 9, *abjectus* f. 10, (693), *mesomelas* f. 11, *conspicillatus* f. 12, (694), *murinus* f. 13, *propinquus* f. 14, (695), *sexnotatus* f. 15, *quadrisignatus* f. 16, (696), *concentricus* f. 17 (697), *discedens* f. 18, *scutulatus* f. 19, (698), *pictipes* f. 20, *decoratus*, (699), *erubescens* f. 21, *honestus* f. 22, (700), *rubicundus* f. 23, *iniquus* f. 24, (701), *festivus* f. 25 (702), *disciger* f. 26, *scutiger* f. 27, *melanophthalmus* f. 28, (703), *echinatus* (704), *furvus*, *porcatus* pl. xvxv f. 1, (705), *humilis*, *strigatus* f. 2, (706), *pallescens*, *pallidisetis* pl. xxxv f. 3, (707), *scepticus* f. 4, *insitivus* f. 5, (708), *nigroeinctus* f. 6, *subcylindricus* f. 7, (709), all from Central America, Champion Biol. Centr.-Amer. Col. **4** pt. 4, **spp. n.**

Cyclobarus alternevittatus Algeria, Desbrochers (6) Frelon **14, sp. n.**—*C. metallescens* var. n. *longipilis*, Pic (41) Echange **22.**

Cyclomaurus demaisoni Asia Minor, Desbrochers (7) Frelon **14, sp. n.**

Cyclomias ptochoïdes Adana, Pic (66) Echange **22, sp. n.**

Cyclopterus desbrochersi Valencia, Reitter (377) Madrid Bol. Soc. esp. Hist. nat. **6, sp. n.**

Cylindrocopturus ganglbaueri Hell. (as *Paratimorus*) pl. iii f. 4 (37), *adspersus* Lec. (as *Copturus*) f. 12 (40), Champion Biol. Centr.-Amer. Col. **4** pt. 5.—*C. triangulifer* pl. iii f. 5, *biradiatus* f. 6, (37), *bicaudatus* f. 7, *tetralobus* f. 8, (38), *armatus* f. 9, *imbricatus* f. 10, (39), *albonotatus* f. 11 (40), *bifasciatus* f. 13, *elongatus* f. 14, *scaphiformis* f. 15, (41), Central America, Champion T.c., **spp. n.**

Cyphicerus; Artübersicht, Reitter Brünn Verh. Natf. Ver. **44** (253).—*C. bohemani* **nom. n.** für *Myllocerus brevicollis* Boh., Id. T.c. (254).

Cyrtolepis (*Aigelius*) *diecki* Algeria, Desbrochers (5) Frelon **14, sp. n.**—*C.* (*Aigelius*) *obscuricolor* Algérie, Pic (41) Echange **22, sp. n.**

Cyrtotrachelus sp., natural history, Banks (161–163) pl. xi Philipp. J. Sci. **1.**

Cyttalia apicalis (80), *longirostris*, *piceosetosa*, *oleariae*, (81), Australia or Tasmania Lea Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Desbrochersella **gen. n.** for part of *Mylacus* (209), *baetica* Schauf. = (*rhinophorus* Seidl.) (210), Reitter Brünn Verh. Natf. Ver. **44.**

Diaporesis distincta pl. xxx f. 11 (614), Champion Biol. Centr.-Amer. Col. **4** pt. 4.

Dichotrachelus doderoi, Alpe marittime, Solari (94) Genova Ann. Mus. **42, sp. n.**—*D. ragusae* **sp. n.** Sicilia, Solari Natural sicil. **18** (246–247).

Dionychus parallelogrammus var. n. *alternans*, Desbrochers (371) Bruxelles Ann. Soc. ent. Belgique **50.**

Dynamis (*Rhynchodynamis* **subgen. n.**) *filirostris* **sp. n.** S. America, Heller (49) Stettiner ent. Ztg. **67.**

Dysmachus boviei Colombia, Desbrochers (371) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Echinocnemus bisignatus **sp. n.** Transvaal, Hartmann (77) D. ent. Zs. Berlin **1906.**

Ectomastes **gen. n.** near *Cholus*, *oxyrhynchoides* **sp. n.** (hab. not given), Desbrochers (367) Bruxelles Ann. Soc. ent. Belgique **50.**

Elytrodon barbarus Tangier, Desbrochers (1) Frelon **14, sp. n.**

Eremotes meridionalis **sp. n.** Transvaal, Hartmann (84) D. ent. Zs. Berlin **1906.**

Erethistes rhomboides Costa Rica, Champion (727) Biol. Centr.-Amer. Col. **4** pt. 4, **sp. n.**

Eulechriops septemnotatus pl. vii f. 8, *ochraceus* f. 9 (111), *squamulatus* f. 10, *nigrolineatus* f. 11, (112), *boops* f. 12, *melas* f. 13, (113), *lugubris* f. 14, *melancholicus* f. 15, *brevipes* f. 16, (114), *tuberculifer* f. 17, *flavitarsis* f. 18, (115), *albofasciatus* f. 19, *ornatus* f. 20, *muticus* f. 21, (116), *perpusillus*, *seriatus* f. 30, (117), *longipennis* f. 22, *elongatus* f. 23, (118), *cinerascens*, *cylindricollis* f. 24, *scutulatus* f. 25, (119), *sexnotatus* f. 26, *albolineatus* f. 27, (120), *ductilis* f. 28, *pygmaeus*, (121), *nitidus* f. 29, *coruscus*, *laevirostris* pl. viii f. 1 (122) *leucospilus* pl. vii f. 31, *plagiatus* f. 32, (123), *maculicollis* f. 33, *pusillus* pl. viii f. 2, (124), *conicicollis* f. 3, *sibinioides*, *tenuirostris*, (125), *filirostris* f. 4, *angusticollis* f. 5, (126), **spp. n.**,

Central America, CHAMPION Op. cit. pt. 5.

Euops puncticollis **sp. n.** Japan (92), SCHILSKY in Küster and Kraatz Käfer Europas **42.**

Euscelus chinensis (89), *gibbicollis* (90), **spp. n.**, China, SCHILSKY T.c.

Eusomomorphus **subg. n.** vide *Eusomus.*

Eusomus (*Eusomomorphus* **subg. n.**, *oligops* Asia minor, DANIEL (281) Wien Ann. Hofmus. **20, sp. n.**

Eutinobothrus pilosellus pl. xxix f. 25, CHAMPION (604) Biol. Centr.-Amer. Col. **4** pt. 4.

Euzurus **gen. n.** near *Zurus, ornativentris* **sp. n.** Panama pl. iii f. 21, CHAMPION (45) T.c. pt. 5.

Gasterocercus propugnator pl. xxxi f. 5 (630), CHAMPION T.c. pt. 4.

Gymnetron fuentei Spain, PIC (12) Echange **22, sp. n.**—*G. nigronotatum* Algérie, PIC (27) T.c., **sp. n.**—*G. moroderi* Valencia, REITTER (379) Madrid Bol. Soc. esp. Hist. nat. **6, sp. n.**

Gymnobaris **gen. n.** near *Baris, politus* **sp. n.** Queensland, LEA (96) Adelaide S. Aust. Trans. R. Soc. **30.**

Graphonotus leporinus pl. xxx f. 2 (608), *bituberculatus* f. 3 (609), *biolleyi* f. 4, *maculicollis* f. 5, 610), *albescens* f. 6, *cinctipennis* f. 7, (611), *variisquamis* f. 8, *quadrifasciatus* f. 9, (612), *lituratus* f. 10, *defectus*, (613), Central America, CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4, **spp. n.**

Grypidiopsis ? *asperatus* Guatemala pl. xxxv f. 23 (721), CHAMPION T.c., **sp. n.**

Haptomerus pentheri Asia Minor, GANGLBAUER (281) Wien Ann. Hofmus. **20, sp. n.**—*H. siculus*, AMORE Natural. sicil. **18** (193–194).

Heilipus cylindricollis (10), *pseudanchoralis* (9), Peru **spp. n.**, HELLER Stettiner ent. Ztg. **67.**

Helleriella **gen. n.** *Zygopina* (32), *longicollis* **sp. n.** Mexico (33) pl. ii f. 28, CHAMPION Biol. Centr.-Amer Col. **4** pt. 5.

Henschia **subgen. n.** von *Argoptochus*, REITTER Brünn Verh. Natf. Ver. **44** 227).

Herpes porcellus, early stages, BOURGEOIS (94) Paris Bull. Soc. ent. **1906.**

Hilipinus latipenuis pl. xxxv f. 20, *granosus* f. 21, CHAMPION (718) Biol. Centr.-Amer. Col. **4** pt. 4, **spp. n.**

Hilipus rufocinctus pl. xxxv f. 16 (715), *securifer* (= *securiger* Ch. olim), *spinipennis* f. 17, (716), *stigmosus* f. 18, *terebrans* f. 19, (717), Central America, CHAMPION T.c., **spp. n.**

Himatinum **nom. n.** = *Himatium* Woll, COCKERELL (243), Ent. News, **17.**

Hipporhinus nasicornis **sp. n.** Transvaal, HARTMANN (72) D. ent. Zs. Berlin **1906.**

Hoplocopturus leptopus Hell. pl. iv f. 15 (59), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.—*H. javeti* pl. iv f. 3 (53), *nigripes* f. 4, *quinquevittatus* f. 5, (54), *nubilus* f. 6, *sulphureus* f. 7, (55), *spinipes* f. 8, *costatipennis* f. 9, (56), *ochreicollis* f. 10, *basalis* f. 11, (57), *elegans* f. 12, *scintillans* f. 13, *mariae* f. 14, (58), *densus* f. 15, *varipes* f. 17, (59), Central America, CHAMPION T.c., **spp. n.**

Hylobius geblerî Boh. metamorphosis (Japanese), NITOBE Konch. Sek., Gifu **10,** 1906, (275–277).

Hyperini; Druckfehlerverzeichnis zu Petri's Monographie, HEYDEN Entmol. Ztg. Wien **25** (137–138).

Hypoglyptus; PIC Echange **22** (58–59, 67–69).

Hypoplagius pectoralis Desbr. (32), pl. ii f. 27, CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

Huamboica **gen. n.** *Aphiorhamphus cavicollis* Kirsch, HELLER (28) Stettiner ent. Ztg. **67.**

Ipsichora mesosternalis (97), *desiderabilis, macleayi*, (98), *duplicata* (99), Australia, LEA Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Isotrachelus Faust 1896 = (*Microcleogonus* Ch. 1905), CHAMPION (117) Biol. Centr.-Amer. Col. **4** pt. 5.

Isus **gen. n.** *Cryptorhynchides, m-nigrum* **sp. n.** Guatemala pl. xxxi f. 4, CHAMPION (631) Op. cit. pt. 4.

Lachnaeus Sch. = (*Stolatus* Muls.), BEDEL (92) Paris Bull. Soc. ent. **1906.**

Lagenolobus; Beschreibung, REITTER Brünn Verh. Natf. Ver. **44** (241).

Lalagetes hispidus (70), *siynatus* (71), **spp. n.**, Transvaal, HARTMANN D. ent. Zs. Berlin **1906**.

Larides **gen. n.** *Zygopina* (34), *cavifrons* **sp. n.** Guatemala pl. iii f. 3 (35), CHAMPION Biol. Centr.-Amer. **4** pt. 5.

Larinus frater (75), *peregrinus* (76), **spp. n.**, Transvaal, HARTMANN D. ent. Zs. Berlin **1906**.

Lechriops copturoides pl. vi f. 13, *oblongulus* f. 14, (92), *albisquamis* f. 15, *canescens* f. 16, (93), *squamirostris* f. 17, *exsculptus*, (94), *amplipennis* f. 18, *alboguttatus* f. 19, (95), *rufomaculatus* f. 20, *rugicollis*, *vicinus*, (96), *nitidicollis* f. 21, *albovariegatus* f. 22, (97), *excavatus* f. 23, *maculiceps* f. 24, *coarctatus* f. 25, (99), *centrosignatus*, *parilis*, (100), *ochreoguttatus* f. 27, *extritus*, (101), *disparilis*, *quadripunctatus* f. 28, (102), *nitidiusculus* (103), *sticticus* f. 29, *bicolor* f. 30, (104), *analis* f. 31 (105), *infusus* (106) pl. vii f. 1, *festivus* f. 2, (107), *alboterminatus* f. 4, *porcatus* f. 5, (108), *durangoanus* f. 6, *flavofasciatus* f. 7, (109), **spp. n.**, Centr. America; *L. vestitus* Boh. (99) pl. vi f. 26, *auritus* Hell. (106) f. 32, *paroticus* Pasc. (107) pl. vii f. 3, CHAMPION Biol. Centr. Amer. Col. **4** pt. 5.

Leptops; revision and table (313–354), *parvicornis* (333), *cacozelus*, *hercules*, (334), *elongatus* (335), *amplipennis* (336), *frenchi* (337), *rudis*, *nivens*, (338), *conca-viceps* (339), *cinerascens* (340), *orthodoxus* (341), *fraterculus* (342), *multinodosus*, *squamosus*, (343), *rostralis* (344), T-*squameus* (346), *gladiator*, *laticollis*, (347), *fasciculatus* (348), *globicollis* (349), *interruptus* (350), *regularis*, *nigropunctatus*, (351), *hirsutus* (352), *phymatodis*, *crassirostris*, (353), **spp. n.**, Australia, LEA Bruxelles Ann. Soc. ent. Belgique **50**.

Liparus; revisione delle italiane, GRANOLI Rivista Col. ital. **4** (241–256).

Lissoderes **gen. n.** *Zygopina* (47), *subnudus* **sp. n.** Panama pl. iii f. 24 (48), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

Lixus; of Germany, SCHENKLING Insektenbörse **23** (34–35), Bemerkung dazu von Ernst von Dombrowski T.c. (60). —*L. zaitzevi*, *fasciatus*, **spp. n.** Russisch Asien, PETRI Rev. russ. ent. **6** (64–66). —*L. iridis*, GIREAUDEAU Feuille jeunes natural. **36** (167).—*L. caroli* **sp. n.** Transvaal, HARTMANN (76) D. ent. Zs. Berlin **1906**.

Loboderinus **gen. n.** *Barini* (436), *clavatus* (437), *basalis* (438), **spp. n.** Brasile, SOLARI Genova Ann. Mus. **42**, **spp. n.**

Macrolechriops **gen. n.** (126), *spinicoxis* **sp. n.** (127) pl. viii f. 6 Mexico, CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

Macroptatus **gen. n.** *Centrinides* (46), *championi* **sp. n.** Costa Rica (48), HELLER Stettiner ent. Ztg. **67**.

Macrotarrhus **nom. n.** for *Macrotarsus* Sch., BEDEL (93) Paris Bull. Soc. ent. **1906**.

Madarellus gibbicollis Brasile (423), *ruficollis* Peru, *caseyi* Nicaragua (424), *fausti* Peru (425), *rufescens*, *maculatus*, Brasile, *mexicanus* Sierra Durango, (426), *albofasciatus* Amazzoni (427), *albonotatus* Brasile (428), SOLARI Genova Ann. Mus. **42**, **spp. n.**

Magdalinus; life histories, XAMBEU (42–45) Naturaliste 1906.

Mantias **gen. n.** *Cryptorhynchides*, *gracilitarsis* **sp. n.** pl. xxix f. 28 Panama, CHAMPION (606) Biol. Centr. Amer. Col. **4** pt. 4.

Mecaspis cf. *Aphaenicus*.

Mecinus hesteticus Sicilia, VITALE (134) Natural. Sicil. **18**, **sp. n.**

Megarhinus longirostris **sp. n.** Transvaal, HARTMANN (80) D. ent. Zs. Berlin **1906**.

Meira; synopsis des français, *stierlini* **nom. n.** pro *crassicornis* Seidl., SAINTE-CLAIRE DEVILLE Abeille **30** (258–260). —*M. gracilenta* Algeria (16), *minuscula* (17), *amplicollis* (18), Tunis, *fallens* (19) Algeria, **spp. n.**, *validicornis* **nom. n.** for *crassicornis* Desb. (20), DESBROCHERS Frelon **14**.

Miarus mayeti, *degorsi*, (171), **spp. n.**, *campanulae* var. *ursinus* n. var. (172), ABEILLE Paris Bull. Soc. ent. **1906**.

Microzurus rhombus Hell. pl. vi f. 9; *M. trinotatus* f. 10, *edentatus* f. 11, **spp. n.**, Panama, CHAMPION (89) Biol. Centr.-Amer. Col. **4** pt. 5.

Microzygops **gen. n.** *Zygopina*, *nigrofasciata* **sp. n.** Panama pl. iii f. 22, CHAMPION (46) T.c.

Misophrice squamiventris (74), *gloriosa*, *apionoides*, (75), *inflata* (76), *nigripes*, *amplicollis*, (77), *vicina* (78), Australia or Tasmania, LEA Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Mnemynurus caloderes, Hell. pl. iii f. 27 (50), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.—*M. ignifer* pl. iii f. 28 (50), *phoenicoderes* f. 29, *erythroderes* f. 30 (51), *poeciloderes* pl. iv f. 1, *longispinis* f. 2 (52), Central America, CHAMPION T.c., **spp. n.**

Myctides imberbis (100), *balaninirostris* (101), Queensland, LEA Adelaide S Aust. Trans. R. Soc. **30, spp. n.**

Mylacus Ptochus; und verwandte; Bestimmungstabelle, REITTER Brünn. Verh. Natf. Ver. **44** (208–256). — *M. crinitus* Daniel (215) **sp. n.**, *brancsiki* Süddalmatien (218), *cupripubens* (222) Hocksyrien, *desbrochersi* (222) Algier, *formaneki* Corfu (218), *helleri* Attica (220), *sanderi* Olymp. (217), *villosus* Kleinasien (217), **spp. n.**, REITTER T.c.

Myllocerus; Artbüersicht; *obockianus* **sp. n.** (244), *pici* **sp. n.** Merv (250); REITTER T.c.

Myllocerops **gen. n.** für *psitacinus* Redt., REITTER T.c. (253).

Nanophyes durieui, gall, Marocco, HOUARD (32–38) Marcellia **5**.—*N. morulus* (135), *metallicus* (136), Sicilia, VITALE Natural. sicil. **18, spp. n.**

Neodesmosomus **gen. n.** near *Cholus*, *helleri* **sp. n.** Brazil, DESBROCHERS (370) Bruxelles Ann. Soc. ent. Belgique **50.**

Nertocholus **gen. n.** near *Erethistes* (24), *fascialus* **sp. n.** Espirito Santo (25) HELLER Stettiner ent. Ztg. **67.**

Noctivius **subg. n.** of *Cleonus* for *segnis* Germ. etc., DESBROCHERS (70) Frelon **14.**

Notaris wyomingensis **sp. n.** N. America, CHITTENDEN 115) New York J. Ent. Soc. **14.**

Notophus **gen. n.** near *Cholus*, *subincostatus* **sp. n.** Cayenne, DESBROCHERS (365) Bruxelles Ann. Soc. ent. Belgique **50.**

Oarius **gen. n.** *Phyllobiides*, *grisescens* **sp. n.** Asia minor, DESBROCHERS (20) Frelon **14.**

Ocladius caroli **sp. n.** Transvaal, HARTMANN (82) D. ent. Zs. Berlin **1906.**

Odontocholus **gen. n.**, *flaviventris* **sp. n.** (hab. not given), DESBROCHERS (367) Bruxelles Ann. Soc. ent. Belgique **50.**

Omileus epicaeroides, SANDERSON (210) Ent. News **17.**

Onychobaris punctatissima Mexico (420), *nicaraguensis* Managua, *dentibia* Amazzoni, (421), *armipes* Goyaz (422), SOLARI Genova Ann. Mus. **42, spp. n.**

Orchestes quercicola Italia, FIORI (264) Riv. Col. ital. **4, sp. n.**

Orthochaetes tissoni France **sp. n.**, (23); the species of France (24); DESBROCHERS Frelon **14**, also (101) Nîmes, Bull. Soc. étud. **33.**

Otiorrhynchus idonis Albanien, *sturanyi* Montenegro, (1673), **spp. n.**, APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. 1.—*O. cribrirostris* Abruzzo, LEONI (108) Riv. Col. ital. **4, sp. n.**—*O. caesareus* Asia minor, DANIEL (281) Wien Ann. Hofmus. **20, sp. n.**—*O. pici* (87), *scobinatus* (88), Algeria, SOLARI Genova Ann. Mus. **42, spp. n.**—*O. sirentensis* Monte Sirenti, AMORE Riv. Col. ital. **4** (117–119), **sp. n.**—*O.* (*Arammichnus*) *syracusanus* **sp. n.** Sicilia, FIORI Natural. sicil. **18** (204–206).—*O.* (*Tournieria*) *antarcticus*, STIERLIN (45) pl. i f. 8. Résult. Belgica, Zoologie.

Paracyclomaurus seriatellus Algeria, DESBROCHERS (7) Frelon **14, sp. n.**

Parahornia **nom. n.** for *Wollastoniella* [vide infra] COCKERELL (349) Ent. News **17.**

Paramnemyne decemcostata Panama, pl. iii f. 25 (48), *pulchella* Guatemala, f. 25 (49), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

Paraplinthus shermani **sp. n.** North Carolina, FISKE (31) Washington Proc. Ent. Soc. **8.**

Paratrachyploeus reichei Seidl. (as *Trachyploeus*) = (*variegatus* Desbr.), SOLARI (94) Genova Ann. Mus. **42.**

Peltophorus polymitus Boh. pl. ii f. 8 (20), *jordani* Hell. f. 10 (21); CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

Peridiraeus punctatus, *insolitus*, Brazil, DESBROCHERS (366) Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Perieges humeralis Buchara, Pic (34) Echange **22, sp. n.**

Peritelus quadraticollis Spain, Desbrochers (22) Frelon **14, sp. n.**

Perperus malevolens Tasmania, Lea (71) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Peucron **gen. n.**, *alboguttatus* **sp. n.** Mexico pl. xxx f. 22 (= *Acalles alboguttatus* Chevr. i. 1.); Champion (619) Biol. Centr.-Amer. Col. **4** pt. 4.

Phace **gen. n.** near *Heterobothrus* (614), *pilimanus* pl. xxx f. 13, *egena* f. 14, *scutellaris* f. 15, (615), *polochicae* f. 16, *dentipes*, (616), *duplex*, *carinirostris* f. 17, *binodosa* f. 18, (617), *cinctuta* f. 19, *leucogramma* f. 20, (618), *striatipennis* f. 21, (619), Central America, **spp. n.**, Champion T.c.

Phalias **gen. n.** *Cryptorhynchides* (604), *laticrus* **sp. n.** Panama pl. xxix f. 26 (605), Champion T.c.

Phileas **gen. n.** near *Timorus*, *granulatus* **sp. n.** Mexico pl. iii f. 2, (34), Champion Op. cit. pt. 5.

Philenis **gen. n.** near *Copturus*, *flavipes* pl. iii f. 18, (43), *flavofemorata* f. 19 (44), **spp. n.**, Panama, Champion T.c.

Philides **gen. n.** *Zygopina*, *anthonomoides* **sp. n.** Panama pl. viii f. 10, Champion (122) T.c.

Philinna **gen. n.** (128), *bicristata* **sp. n.** Guatemala (129) pl. viii f. 9, Champion T.c.

Philonis **gen. n.** near *Eubulus*, *inermis* **sp. n.** pl. xxix f. 24 Central America, Champion (603) Op. cit. pt. 4.

Phyllobius klecki **sp. n.** Rumänien; *glaucus* Scop. var. n. *fuscofumosus* Sibirien; Reitter Entomol. Ztg. Wien **25** (253).

Phytonomus viridis Valencia, Reitter (378) Madrid Bol. Soc. esp. Hist. nat. **6, sp. n.**

Piazelechriops **gen. n.** *Zygopidarum* (44), *bicristatus* **sp. n.** Peru (45) pl. i f. 7, Heller Stettiner ent. Ztg. **67.**

Piazurus bufo Peru (42), *delicatus* Amazons (37), *deplanatus* Peru (36), *spretus* Nicaragua, *sulphuriventris* Costa Rica, (39), *P.* (*Pseudopiazurus* **subgen. n.**) *centralamericus* Costa Rica (40), *P.* (*Pseudopinarus* **subgen. n.**) *rana* Costa Rica (41), **spp. n.**, Heller T.c.—*P. caprimulgus* Oliv. pl. i figs. 19–21 (12), *spretus* Hell., f. 22 (13), *succivus* Boh. f. 24 (14), *maculipes* Gyll. figs. 25–28, varr. and synonymy (15), *sulphuriventris* Heller f. 30 (16), *melanostictus* Boh. pl. ii f. 2 (17), *alternans* Kirsch f. 3, *condyliatus* Boh. f. 4, *rana* Heller f. 5, (18), *centraliamericanus* Heller f. 7 (19); *P. trifoveatus* pl. i f. 17, *plagiatus* f. 18, (11), *helleri* f. 23 (13), *pallidicinctus* f. 20 (16), *stigmaticus* f. 31 (17), *quadratus* pl. ii f. 6 (19), Central America, **spp. n.**, Champion Biol. Centr.-Amer. Col. **4** pt. 5.—*P. ephippiatus* Panama pl. viii f. 11 **sp. n.** (130), Champion Biol. Centr. Amer. Col. **4** pt. 5.—*P. floridanus* **sp. n.** Florida, Fall (61) Philadelphia Trans. Amer. Ent. Soc. **32.**

Plinthus angustus **sp. n.** Kaukasus, Reitter D. ent. Zs. **1906** (450).

Poecilogaster brevis Hell. pl. iii f. 20 (45) Champion Biol. Centr.-Amer. Col. **4** pt. 5.

Polydercicus **gen. n.** for *Polyderces luctuosus* Chev., Heller (28) Stettiner ent. Ztg. **67.**

Pseudobaris callosipennis Costa Rica (431), *stigmatica* (432), *gigantea*, Sierra Durango, *cribrella*, (433), *ocellata* Costa Rica, *parallelipennis* Sierra Durango, (434), *cribripennis* Nicaragua (435), *costaricensis* Costa Rica (436), Solari Genova Ann. Mus. **42, spp. n.**

Pseudocholus **gen. n.**, *biplagiatus* **sp. n.** Costa Rica, Desbrochers (366) Bruxelles Ann. Soc. ent. Belgique **50.**

Pseudolechriops **gen. n.**, *megacephalus* **sp. n.** Guatemala pl. vi f. 12, Champion (90) Biol. Centr.-Amer. Col. **4** pt. 5.

Pseudopiazurus **subg. n.** of *Piazurus* for *P. obesus* Boh., etc., Heller (32) Stettiner ent. Ztg. **67.**

Pseudopinarus **subg. n.** of *Piazurus* (34), for *obesus* and *defectus* Boh., and *centraliamericanus* **sp. n.** Costa Rica (40), Heller Stettin ent. Ztg. **67.**

Psomus caseyi (127), *quadrinotalus* pl. viii f. 7, *violaceus* f. 8, (128), Central America, Champion Biol. Centr.-Amer. Col. **4** pt. 5, **sp. n.**

Ptinopsis **gen. n.** near *Oopterinus* (723), *floccosus* **sp. n.** Guatemala pl. xxxv f. 25 (724), Champion Op. cit. pt. 4.

Ptochella **gen. n.** für *latirostris* Faust, REITTER Brünn Verh. Natf. Ver. **44** (240).

Ptochus koltzei Tibet (239), *nigropilosus* Turkestan (230), *obliquesignatus* Tibet, *potanini* Nordchina, (232), *squamosus* Araxesthal (235), **spp. n.**, REITTER T.c.

Ptous **gen. n.** *Cryptorhynchides* (632), *otidocephalinus* **sp. n.** Nicaragua pl. xxxi f. 7 (633), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4.

Rhadinocerus dispar **sp. n.** Transvaal, HARTMANN (83) D. ent. Zs. Berlin **1906**.

Rhigopsidius **gen. n.** *Rhytinorrhinidae* (7), *tucumanus* **sp. n.** Argentina (8) pl. i f. 3, HELLER, Stettiner ent. Ztg. **67**.

Rhynchites cylindricollis (82), *flavipes* (80), *gracilicornis* (81), *rosti* (79), **spp. n.**, Japan, SCHILSKY in Küster and Kraatz Käfer Europas **42**, *R. seriatopilosus*, Kashmir **sp. n.**, Id. op. cit. **43**, (26).

Rhynchodynamis **subgen. n.** cf. *Dynamis*.

Rhynchophorus ferrugineus, natural history, BANKS (154–158) pl. vi–viii Philipp J. Sci. **1**.

Rhypodillus **nom. n.** for *Rhypodes* Horn, COCKERELL (243) Ent. News **17**.

Salbachia **gen. n.** für *Corigetus dorsalis*, REITTER Brünn Verh. Natf. Ver. **44** (241).

Scedasus **gen. n.** *Cryptorhynchides*, *muricatus* **sp. n.** Panama pl. xxix f. 27, (605), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4.

Sciaphilus pruinosus Desbr., Umänderung in *Desbrochersella pennata*, REITTER Brünn Verh. Natf. Ver. **44** (211).—*S. sulcirostris* Chevr., Zugehörigkeit zu *Brachysomus*, FORMANEK Entomol. Ztg. Wien **25** (38).—*S. psittacinus* è sinonimia di *abbreviatus*, AMORE Natural sicil. **18** (193–194).

Sciobius; monograph, *cultratus* (243) pl. xviii f. 1, *cinereus* (244) f. 3, *obesus* (245) f. 2, *cognatus* (247) f. 6, *opalinus* (248) f. 4, *oneili* (252) f. 5, *planipennis* (253) f. 7, *tenuicornis* (255) f. 9, *barkeri* (257) f. 8, *spatulatus* (262) f. 10, *peringueyi* (263) f. 11, *viduus* pl. xix f. 1, *pondo* f. 3, (264), *angustus* (267) f. 2, *panzanus* f. 4, *schonlandi* f. 6, (268), *viridis* (269) f. 7, *nanus* f. 9, *prasinus* f. 5, (270), *vittatus* (271) f. 8, *arrowi* f. 10, *horni* f. 11, (272), **spp. n.**, S. Africa, MARSHALL London Proc. Zool. Soc. 1906.

Sclerosomus atomarius, *obliteratus*, Brazil, DESBROCHERS (368) Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Semnorrhynchus planirostris pl. xxxi f. 1 (628), *tristis* f. 2, *fulvopictus* f. 3, (629), *fulvifrons* (630), Central America, CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4, **spp. n.**

Sharpia imbricata Bagdad, DESBROCHERS (10) Frelon **14, sp. n.**

Solenobaris **gen. n.**, *decipiens*, (102), *edentata* (103), **spp. n.**, Queensland, LEA Adelaide S. Aust. Trans. R. Soc. **30**.

Spartecerus trisulcatus **sp. n.** Transvaal, HARTMANN (71) D. ent. Zs. Berlin **1906**.

Spermophagus japonicus **sp. n.** Tokoi, (94), SCHILSKY in Küster and Kraatz Käfer Europas **42**.

Sphenophorus eliconensis Sicilia, VITALE (133) Natural. Sicil. **18, sp. n.**

Sphenus **gen. n.** for *Homalonotus validus*, *perplexus* **sp. n.** Cayenne, DESBROCHERS (368) Bruxelles Ann. Soc. ent. Belgique **50**.

Strophomorphus nigrinus Asia Minor, DESBROCHERS (12) Frelon **14, sp. n.**

Strophosomus concinnus **sp. n.** Transvaal, HARTMANN (68) D. ent. Zs. Berlin **1906**.

Sysciophthalmus **gen. n.** *Tanymecidarum* (5) *bruchi* **sp. n.** Argentina (6) pl. i figs. 1 and 2, HELLER Stettiner ent. Ztg. **67**.

Tachygonus laticrus pl. viii f 12, *quinquedentatus* f. 13, (132), *curvicrus* f. 14, *semirufus* f. 15, (133), *nigrocristatus* f. 16 (134), *bifasciculatus* f. 18, *pectinisquamis* f. 19, (135), *caseyi* f. 21, *sinuaticrus* f. 22, (136), **n. spp.**, Central America, *fasciculosus* Boh. f. 17 (134), *rhombus* Casey fig. 20 (136), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

Thylacites humilis Sicilia, VITALE Natural. Sicil. **18, sp. n.**

Timorus suturalis Ros. pl. iii f. 1 (33), CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

. *Titinia laeta* and *ignaria* distinguished, BLACKBURN (323) Adelaide S. Aust. Trans. R. Soc. **30**.

Trachalus **gen. n.** *Cryptorhynchides* (631), *micronychus* **sp. n.** Central America pl. xxxi f. 6 (632); CHAMPION, Biol. Centr.-Amer. Col. **4** pt. 4.

Trachyphloeus cinereus (90), *proximus* (91), *brevicornis* (92), Tunisie, *apuanus* Etruria (93), SOLARI Genova Ann. Mus. **42, spp. n.** — *T. proletarius* Sicilia, VITALE (131) Natural. sicil. **18, sp. n.**

Trichodocerus; (713); *T. spinolae* pl. xxxv f. 13 (714); *T. brevilineatus* **sp. n.** Centr. America figs. 14 and 15 (714); CHAMPION Biol. Centr.-Amer. Col. **4** pt. 4.

Triglyphulus **nom. n.** = *Triglyphus* Lec., COCKERELL (243) Ent. News **17**.

Troezon **gen. n.** *Cryptorhynchides* (606), *encaustus* **sp. n.** Panama pl. xxix f. 29 (607), CHAMPION Biol. Centr. Amer. Col. **4** pt. 4.

Tynnichus **gen. n.** *Cryptorhynchides* (712), *tenuicostatus* **sp. n.** Panama pl. xxxv f. 12 (713), CHAMPION T.c.

Tyrannion unipustulatus pl. xxx f. 12, *curtipennis* pl. xxix f. 19, *albosignatus* f. 20, (601), *breviculus* f. 21, *agnatus* f. 22, (602), *basalis* f. 23 (603), Central America, CHAMPION T.c., **spp. n.**

Ulosomus horribilis pl. xxxv f. 8 (710), *spinulosus* f. 9, *hispidus* f. 10, *hirsutulus*, (711), Central America; CHAMPION T.c., **spp. n.**

Wollastoniella **nom. n.** = *Wollastonia* Horn, COCKERELL (243) Ent. News **17**.

Zurus sanguinicollis pl. vi f. 5, *coccinatus* f. 6, (87), *maculicollis* f. 7, (88), Central America, **spp. n.**; *Z. aurivillianus* Hell. (88) pl. vi f. 8; CHAMPION Biol. Centr.-Amer. Col. **4** pt. 5.

Zygops adustus **sp. n.** Arizona, FALL (61) Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**—*Z. vitticollis* Desbr. pl. ii f. 1? (24), *mexicana* Boh. f. 15 (25), *histrio* Boh. f. 16 (26), *tridentata* Gyll. f. 22, *maculipes* Desbr. f. 23, (29), *sobrina* Gyll. f. 26 (31); *Z. rufitorquis* pl. ii f. 11 (23), *rufomaculata* f. 13, *erythropyga* f. 14, (24), *maculiventris* f. 17, (26), *quadridentata* f. 18, *amoenula* f. 19, (27), *disjecta* f. 20, *sellata* f. 21, (28), *cataleuca* f. 24, *trivittata* f. 25, (30), Central America, **spp. n.**; CHAMPION Biol. Centr.-Amer. **4** pt. 5.

Zygopsella **gen. n.**, *ruficauda* **sp. n.** pl. iii f. 16 Guatemala, CHAMPION (42) T.c.

The following Curculionidae have been previously recorded in the Zoological Record.

(*Alophus weberi* sp. n., Steiermark, PENECKE, Entomol. Ztg, Wien, **20**, 1901, (11–21).—*Alophus hilfi* sp. n. Bosnien with *apfelbecki* Stierl. in litt. var. n., Herzegowina, REITTER Entomol. Ztg. Wien, **21**, 1902, (1–9).)

(*Anepigraphocis* gen. n. for *A. basiventris* Lea, *A. basiventris*, Swan R., W. Australia, LEA, Sydney, N.S.W., Proc. Linn. Soc., **30**, (246).)

(*Aonychus striatus*, *argus*, N. W. Australia, *pachypus*, Swan River, LEA, (253–258), spp. n., T.c.)

(*Apion leonhardi*, Herzegowina, REITTER, Entomol. Ztg, Wien, **22**, 1903, (178), sp. n.—*Apion formosus* sp. n., Madagascar, BEGUIN-BILLECOCQ, Paris, Bul. soc. ent., **1905**, (45).—*A. nitidirostra*, *madecassum*, *pullum*, *blatta*, *bellum*, *amborombense*, *androïcum*, *beauchenei*, *ceratum*, *pluto*, *postscutatum*, *mauritii*, *erythrœum*, *Philippi*, *perrieri*, *unicum*, *setulosum*, *tessellatum*, *Rhinapion* n. subgen., *oblique-striatum*, *insigne*, *pauxillum*, *pseudapricans*, *Apiotherium* n. subg., *albonigrum*, *suturale*, *sternale*, *navicula*, *mitissimum*, *barbatum*, *puncticolle*, *tumefactum*, *tetrum*, *fastidiosum*, *exiguum* spp. n., BEGUIN-BILLECOCQ, Paris, Ann. soc. ent., **74.**—*A. violaceum*, Nota biologica, STEFANI PEREZ, Naturalista sicil., Palermo, **17**, (177–179).—*A. insulare*, *albosquamosum*, *formosus*, (*Aspidapion*) madagascariense, inornatum, *alluaudi*, *bouvieri*, *malgasicum*, *bicarinatum*, *denudatum*, *pamanzianum*, BEGUIN-BILLECOCQ, Paris, Bul, soc. ent., **1904**, (34–57), spp. n.)

(*Bleptocis* gen. n. for *B. collaceratus*, LEA (247), *B. collaceratus*, N.S.W., sp. n. (248), LEA, Sydney, N.S.W. Proc. Linn. Soc. **30**.)

(*Bradybatus nothops raulogeri*, BEDEL, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Cleonus superciliosus*, BEDEL, Op. cit. **1903**, sp. n.—*C. saintpierrei*, Entwicke-

lungsgeschichte, REITTER, Entomol. Ztg., Wien, **22**, 1903, (235–236).)

(*Episodiocis* gen n., (for *E. microderes* Lea) *E. microderes*, Clarence R., N.S.W., sp. n., LEA, Sydney, N.S.W., Proc. Linn. Soc., **30**, (244–245).)

(*Foucartia burghauseri* sp. n., Kroatien, REITTER, Entomol. Ztg., Wien, **24**, 1905, (247).)

(*Lixus coloratus* Alexandergebirge, Sibirien, sp. n., (194), *laufferi* nom. n. fur *lateralis* Brisout, (109), *furcatus longicollis*, Syrien, (48), *vibex scutellaris*, Centralasien, (104), *Lixus punctiventris laticollis*, Kaukasus, (160), *elongatus oblongus*, Altai, (161), *bardanae scutulatus*, Ungarn, (166), *bardanae paulmeyeri*, Centralasien, (166), *iridis tauricus*, (192), *iridis levantinus* (192), *iridis conformis*, Korsika, (192), *iridis caucasicus*, (192), *iridis brevicaudis* (192), *iridis balcanicus*, Serbien, (193), *iridis asiaticus*, Transkaspien, Persien, (193), *imitator eylandii*, Transkaspien, (195), varr. n., PETRI, Entomol. Ztg., Wien, **23**, 1904.)

(*Mecysolobus* gen. n., *lixoides*, Amurgebiet sp. n., (248), REITTER, Entomol. Ztg., Wien, **24**, 1905, (248).)

(*Metallites aquisextonus*, ABEILLE DE PERRIN, Paris, Bul. soc. ent., **1904**, (280–282), sp. n.)

(*Neomystocis* gen. n. (for *N. squamiventris*, Lea), *N. squamiventris* Queensland, (243), LEA, Sydney, N.S.W., Proc. Linn. Soc., **30**, (242).)

(*Otiorrhynchus claviger*, sp. n., Steiermark, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).—*O. apfelbecki* and *stenorostris*, Verbreitung, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21). —*O. leonhardi*, Herzegowina, REITTER, Entomol. Ztg., Wien, **22**, 1903, (229), sp. n.—*O. caudatus* Rossi *laetifleator* (*Cerorrhynchus*) *niveopictus bellicomus*, REITTER, Entomol. Ztg., Wien, **21**, 1902, (1–9).—*O.* subgen. *Limatogaster* Apfelb., Artübersicht, (213), (*Limatogaster*) *darius* (214), *lasioscelis* (215), Dalmatien, spp. n., (*Limatogaster*) *darius donabilis*, Südbosnien, (*Limatogaster*) *pachyscelis* Strl. *nyctelius*, Südkrain, varr. n., REITTER, Entomol. Ztg., Wien, **22**, 1903, (214–215).)

(*Pantorhytes granulatus*, *subcostatus*, Sud-Est Island, (Luisiaden), Woodlark Insel, HELLER, Entomol. Ztg., Wien, **24**, 1905, (305–310), spp. n.)

(*Perichus gracilis*, Barron Falls, Queensland, LEA, Sydney, N.S.W., Proc. Linn. Soc., **30**, (241), sp. n.)

(*Plagiographus saintpierrei* Chevrl., Entwickelungsgeschichte, REITTER, Entomol. Ztg., Wien, **22**, 1903, (235–236).)

(*Piezotrachelus alluaudi* sp. n., Madagascar, BÉGUIN-BILLECOCQ, Paris, Bul. Soc. ent., **1903**, (285–286).)

(*Polydrusus* (*Metallites*) *impar* Goz. var. n. *uranicensis*, Bosnien, REITTER, Entomol. Ztg., Wien, **24**, 1905, (247).)

(*Rhinomias austriacus* and *forticornis*, Verbreitung, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).)

(*Solariella* subgen n. *Troglorhynchus*, FLACH, Entomol. Ztg., Wien, **24**, 1905, (318–319).)

(*Stenopelmus rufimanus* Gyl. (*Degorsia champenoisi* Bed.), BEDEL, Paris, Bul. Soc. ent., **1904**, (23–24).)

(*Troglorhynchus* (*Solariella*) *paganettii*, Kalabrien, FLACH, Entomol. Ztg., Wien, **24**, 1905, (318), sp. n.)

(*Vibertia* gen. n., BEDEL, Paris, Bul. Soc. ent., **1903**, (284–285).)

SCOLYTIDAE.

Leben der Borkenkäfer, NÜSSLIN Karlsruhe, Verh. natw. Ver. **19** (1905–1906) Abh. (47–64).

Generationsfrage der Borkenkäfer, KNOCHE Natw. Zs. Landw. Stuttgart **4** 1906 (265–273).

Schlusswort in der Polemik gegen E. Knoche, NÜSSLIN T.c. (341–344).

Verbreitung und Lebensweise einiger europäischer Borkenkäfer, EGGERS Natw. Zs. Landw. Stuttgart **4** 1906 (281–290).

Die Borkenkäfer Ungarns (ungarisch), CSIKI Rovart. L. Budapest **13** 1906 (47–53, 76–79, 154–156, 170–174, 187–188, 208–211).

Larval integumental structures, LEISEWITZ.

Cisurgus ragusae sp. n. Messina, REITTER Natural. sicil. **18** (241).

Crypturgus mediterraneus Eich., Barbey Natw. Zs. Landw. **4** (217–220).

Dendroctonus brevicomis, natural history, Webb Washington D.C. Bull. U. S. Dep. Agric. Ent. **58** pt. 2.

Dryocoetes tonsus Guiana, Hagedorn (412) Bul. Mus. Paris 1905, **sp. n.**

Hypoborus ficus, natural history, Barbey Feuille jeunes natural Paris **36** (93–97).

Scolytus mali Bechst. = (*pruni* Ratz.), Bedel (93) Paris Bul. soc. ent. **1906.**

Thamnurgus semirufus **sp. n.** Anatolien, Reitter Entomol. Ztg. Wien **25** (36).

Tomicus cryptographus, sexes, natural history, Mjöberg (137–142) Uppsala Ent. Tidskr. **27.** — *T. typographus*, Hennings Natw. Zs. Landw. St. **5** (75, 97–125); Koch Nat. Zs. Landw. Stuttgart **4** (158–160); Pauly Natw. Zs. Landw. Stuttgart **4** (160–164).— *T. typographicus* in Herenwies und Pfullendorf im Jahre 1905, Nüsslin Nat. Zs. Landw. Stuttgart **4** 1906 (4–22).

Xyleborus politus, *geayi*, (413), *productus*, *tumucensis*, *perversus*, (414), *solitarius* (415), Guiana, **spp. n.**, *rufithorax* var. n. *nigricollis* (413), Hagendorn Bul. Mus. Paris 1905.

(*Xyleborus keuselti*, Ostsibirien, Reitter, Entomol. Ztg., Wien, **24**, 1905, (250), sp. n.)

Brenthidae.

Zemioses setosus **sp. n.** Neu-Guinea, Schönfeldt Nova Guinea **5** Livr. 1 (35).

Anthribidae.

Allandrus angulatus Panama (319) pl. xi f. 4, Jordan Biol. Centr.-Amer. Col. **4** pt. 6, **sp. n.**

Anthribus fasciatus Forst., Variabilität, Varendorff Entomol. Ztg. Wien **25** (212).

Araeoderes **gen. n.** near *Euparius* (275), *texanus* **sp. n.** Texas (276), Schaeffer Philadelphia Trans. Amer. Ent. Soc. **32.**

Barridia **gen. n.**, *corticina* **sp. n.** pl. x f. 21 Guatemala, Jordan (314) Biol. Centr.-Amer. Col. **4** pt. 6.

Brachytarsus ornatus (276), *riddelliae*, *nigromaculatus*, Arizona, *beyeri* Lower California, Schaeffer Philadelphia Trans. Amer. Ent. Soc. **32, spp. n.**—*B. tessellatus* = (*fallax* Perr.), *arcolatus* Boh. = (*pardalis* Woll.), Bedel (93) Paris Bul. soc. ent. **1906.**

Brevibarra **gen. n.** (312), *scotosagis* **sp. n.** Panama pl. x f. 20 (313), Jordan Biol. Centr.-Amer. Col. **4** pt. 6.

Corrhecerus belti Nicaragua, Jordan (354) T.c., **sp. n.**

Cratoparis; synonym of *Euparius*, Jordan (345) T.c.

Cybosoma **gen. n.** near *Ormiscus*, *grande* **sp. n.** Guatemala pl. xiii f. 21, Jordan (361) T.c.

Discotenes lutosus pl x f. 12, *imitans* f. 13, (309), *cylindratus* f. 14, *picticollis* f. 15, (310), *affinis* f. 16 (311), Central America, Jordan T.c., **spp. n.**

Domoptolis championi Panama pl. xi f. 18 (340), Jordan T.c.

Eucyclotropis pylades Jord. pl. x f. 17 (311) *E. barynotus* f. 18, *gibbosus* f. 19, (312), **spp. n.**, Central America, Jordan T.c.

Eugonops championi Guatemala pl. xiii f. 20 (361), Jordan T.c., **sp. n.**

Eugonus decorus, Nicaragua (351) pl. xiii f. 10, Jordan T.c., **sp. n.**

Euparius; synonymy (345), *E.* (as *Cratoparis*) *tapirus* (346), *polius* Jord. pl. xiii f. 3 (347), *similis* Jord. f. 1 (348), *thoracieus* Fåhr. (as *Cratoparis*) pl. xiii f. 7 (349); *E. dermestinus* pl. xiii f. 2, *suturalis* f. 4 (348), *coelebs* f. 5, *ochrus* f. 6, (349), *frenatus* f. 8, *championi* f. 9, (350), Central America, **spp. n.**, Jordan T.c.—*E. subtesselatus* **sp. n.** Arizona, Schaeffer (274) Philadelphia Trans. Amer. Ent. Soc. **32.**

Eusphyrus circulus pl. xiv f. 11, *bicolor* f. 12, (372), *unicolor* f. 13, *scutosus* f. 14, *ros* f. 15, (373), *rectus* f. 16, *lioderus* f. 17, *laevicollis* f. 18, *mucronatus*, (374), *tonsor*, *dilutus*, *fragilis* f. 19, *vestitus* f. 20, (375), *rugicollis* f. 21, *analis* f. 22, *simplex*, (376), *irpex* f. 23, *tenuis* f. 24, *insignis* f. 25, (377), *minax* (378), Central America, Jordan Biol. Centr.-Amer. Col. **4** pt. 6, **spp. n.**— *E. rectus* (271), *arizonensis* (272), N. America, Schaeffer Philadelphia Trans. Amer. Ent. Soc. **32, spp. n.**

Goniocloeus umbrinus Jord. pl. xi f. 27, *orbitalis* Lac. (as *Stroboscopus*) f. 28, (324), *niger* Jord. (as *Monocloeus*) f. 30 (325), *tarsalis* Jord. pl. xii f. 1 (326), JORDAN Biol. Centr.-Amer. Col. **4** pt. 6; *G. funereus* pl. xi f. 29 (324), *tholerus*, *fractus*, *carbonarius*, (325), *laticeps*, *politus* pl. xii f. 2, (326), *mexicanus* f. 3, *inversus* f. 5, (327), *curvatus* f. 4, *silvanus* f. 6, *linifer* f. 7, (328), *reflexus* f. 8, *nanus* f. 9, *pumilus* f. 10, (329), *pusillus* f. 11, *icas* f. 12, *ornaticeps* f. 13, (330), *insignis* f. 14, *parvulus* f. 15, (331), Central America, JORDAN T.c., **spp. n.**

Griburiosoma **gen. n.** near *Phaeniton* (272), *platanum* **sp. n.** Arizona, (273), SCHAEFFER Philadelphia Trans. Amer. Ent. Soc. **32**.

Gymnognathus scalaris pl. xi f. 7 (336), *claudia* f. 8, *polius* f. 9, (337), *ampulla* f. 11, *thecla* f. 12, *mexicanus* f. 13, (338), *abundans* f. 14, *ruficlava* f. 15, *calus* f. 16, (339), *pulcher* f. 17 (340), **spp. n.**, Central America; *G. femoralis* Jord. pl. xi f. 10 (337), JORDAN Biol. Centr.-Amer. Col. **4** pt. 6.

Habrissus sellifer Nilgiri hills, JORDAN (409) Nov. Zool. Tring **13**, **sp. n.**

Hiera **gen. n.** near *Homocloeus*, *oculata* **sp. n.** Guatemala pl. xii f. 16, JORDAN (382) Biol. Centr. Amer. Col. **4** pt. 6.

Homocloeus concolor Jord. pl. xi f. 25, *femoralis* f. 26, JORDAN (333) T.c.; *H. pardalis* pl. xi f. 23, *punctcollis* f. 24, (333), *xanthopus* (334), JORDAN T.c., **spp. n.**

Hypselotropis albatus Jord. pl. x f. 6, (304), JORDAN T.c.

Ischnocerus impressicollis Jord. pl. x f. 5 (306); *I. consors* pl. x f. 7 (306), *metallicus* f. 8, *championi* f. 9, *griseatus* f. 10, (307), *vittiger* f. 11 (308), Central America, JORDAN T.c., **spp. n.**

Lagopezus inversus pl. x f. 23, *morio* f. 24, Central America, JORDAN (315) T.c., **spp. n.**

Mecocerus allectus elegans subsp. n. JORDAN (408) Nov. Zool. Tring **13**.

Monocloeus idacus Jord. pl. xi f. 20; *M. anas* f. 19 (334), *gracilis* f. 21, *liioderes* f. 22, (335), **spp. n.**, Central America, JORDAN Biol. Centr.-Amer. Col. **4** pt. 6.

Neanthribus **gen. n.** near *Anthribus* (341), *championi* pl. xii f. 18 (342), *segregus* f. 19, *hieronymus* f. 20, *obtusus* f. 21, (343), *plagicollis* f. 22, *stephanus* f. 23, *apicalis* f. 24, *grammicus* f. 25, (344), *pistor* f. 26 (345), **spp. n.**, Central America, JORDAN Biol. Centr.-Amer. Col. **4** pt. 6.

Nemotrichus armatus Jord. pl. xii f. 28, *N. angulatus* pl. xii f. 27 (352), *teliger*, *inermis* f. 29, *spilotus* f. 30, (353), Central America, **n. spp.**, JORDAN T.c

Ormiscus pardus pl. xiii f. 22, *tigrinus* f. 23, (364), *acqualis* f. 24, *stratus* f. 25, *centralis* f. 26, (365), *laticollis* f. 28, *lateralis* f. 27, *elegans* f. 29, *subtilis* f. 30, (366), *calus* pl. xiv f. 1, *tener* f. 2, *aeneus* f. 3, (367), *minor* f. 4, *nanus* f. 5, (368), *nigrinus* f. 6, *brunneus* f. 7, *guttatus* f. 8, (369), *phacomelas* f. 9, *marmoreus* f. 10, (370), Central America, JORDAN T.c., **spp. n.**

Phaenithon championi pl. xiii f. 12 (356), *pollux* f. 11, *castor* f. 13, *discifer* f. 14, (357), *uncinatus* (358), *jucundus* f. 16 (359), *leucospilus* f. 17, *pardalis* f. 18, *caeruleus* f. 19, (360), Central America, **spp. n.**; *P. nigritarsis* Jord. pl. xii f. 15 (359); JORDAN T.c.

Phanosolena arizonica **sp. n.** Huachuca mts. SCHAEFFER (269) Philadelphia Trans. Amer. Ent. Soc. **32**.

Phloeomimus **gen. n.** near *Phloeobius*, *griseus* **sp. n.** Burma, JORDAN (409) Nov. Zool. Tring **13**.

Phoenicobiella **nom. n.** for *Phoenicobius* Lec., COCKERELL (243) Ent. News **17**.

Phoenicobius schwarzii **sp. n.** Texas, SCHAEFFER (273) Philadelphia Trans. Amer. Ent. Soc. **32**.

Physopterus analis South India, JORDAN (408) Nov. Zool. Tring **13**, **sp. n.**

Piezobarra **gen. n.**, *sparsilis* **sp. n.** Central America pl. x f. 22, JORDAN (314) Biol. Centr.-Amer. Col. **4** pt. 6.

Piezocorynus homoeus Jord. pl. x f. 29 (317), *plagifer* Jord. f. 25 (319), JORDAN T.c.—*P. dimidiatus* pl. x f. 26 (316), *sellatus* f. 27, *lateralis* f. 28, (317), *atratus* f. 30, *occipitalis* pl. xi f. 1, *strigifer* f. 2, (318), *simplex* f. 3 (319), Central America, JORDAN T.c., **spp. n.**—*P. tesselatus* **sp. n.** Arizona,

SCHAEFFER (274) Philadelphia Trans. Amer. Ent. Soc. **32.**

Ptychoderes tricostifrons Fåhr. pl. x f. 1, *rugicollis* Jordan f. 2, *mixtus* Jek. f. 3, (303), *biivittatus* Jord. f. 4 (304), JORDAN Biol. Centr.-Amer. Col. **4** pt. 6.

Sintor andrewesi Nilgiri hills, JORDAN (408) Nov. Zool. Tring **13, sp. n.**

Stenocerus longulus variation (321), var. *mexicanus* Jek. pl. xi f. 5; *S. platalea* Central America **sp. n.** pl. xi f. 6 (322); JORDAN Biol. Centr.-Amer. Col. **4** pt. 6.

Tachytropis asper Jord. pl. xii f. 17 (322), JORDAN T.c.

Toxotropis sextuberculatus (269), *cusphyroides, quercus,* (270), *albofasciatus* (271), United States, SCHAEFFER Philadelphia Trans. Amer. Ent. Soc. **32, spp. n.**

Xenocerus bennigseni New Guinea, **sp. n.**; *lacrymans herbertus* subsp. n., JORDAN (410) Nov. Zool. Tring **13.**

CERAMBYCIDAE.

Descriptive work on *Cerambycidae* of India, Ceylon and Burma; GAHAN, Faun. Brit. Ind. Col. **1.** Includes new groups and remarks on classification.

The *Cerambycidae* of Dalmatia, with remarks on habits, variation, localities, Josef MÜLLER, Wien. Verh. Zool.-bot. Ges 1906 (653–695).

Bohrgänge von Käferlarven in Braunkohlenholz, LINSTOW Briefl. Mitt. Berlin Jahrb. geol. Landesanst. **26** (1905) 1906 (467–470).

Acanista arachne New Caledonia, FAUVEL (97) Rev. ent. Caen **25, sp. n.**

Acanthocinus brevis New Caledonia, FAUVEL (94) T.c., **sp. n.**

Acanthophorus serraticornis (24) fig. 9, GAHAN Faun. Brit. Ind. Col. **1.**

Aegosoma ornaticolle (45) fig. 17; *terminale* **sp. n.** Ceylon (49); GAHAN Faun. Brit. Ind. Col. **1.**

Aeolesthes basicornis (127) f. 49, GAHAN T.c.

Agelasta; components, correction, GAHAN (117) J. Federated Malay States Mus. **1.**

Aglaophis humerosus (303) f. 98; *watsoni* Burma **sp. n.** (304); GAHAN Faun. Brit. Ind. Col. **1.**

Alphitopola schistacea Transvaal, JORDAN (162) pl. xvi f. 7, Ins. Transvaal by Distant, **sp. n.**

Amaurostoma **subgen. n.** von *Oberea*, MÜLLER Entomol. Ztg. Wien **25** (223).

Amimes macilentus (100) fig. 39, GAHAN Faun. Brit. Ind. Col. **1.**

Anaesthetis numeensis New Caledonia, FAUVEL Rev. Ent. Caen **25, sp. n.**

Anaglyptus (*Cyrtophorus*) *persicus* Talysch (297), *simplicicornis* Südrussland (298), REITTER Entomol. Ztg. Wien **25, spp. n.**

Anancylus basalis Malay penins. and Borneo, GAHAN (116) pl. vi f. 12 J. Federated Malay States Mus. **1, sp. n.**

Ancyloprotus bigibbosus (19) fig. 6, GAHAN Faun. Brit. Ind. Col. **1.**

Anoeme andrewesi Nilgiri hills, GAHAN (54) fig. 20 T.c.

Anubis inermis (221) f. 82, GAHAN T.c.

Apatophysis kashmiriana (70) fig. 26; *montana* Himalaya, *modica* Quetta, **spp. n.**, (71); GAHAN T.c.

Aphrodisium planicolle (206) f. 79, GAHAN T.c.

Apiocephalus licheneus India, GAHAN (74) T.c., **sp. n.**

Apiogaster xanthomelas Transvaal, JORDAN (161) pl. xvi f. 9 **sp. n.**; *A. collare*, Jord., f. 8; Ins. transvaal by Distant.

Apomecyna chaka Natal, DISTANT (165) Ins. transvaal., **sp. n.**

Arcyphorus conformis Selangor, GAHAN (112) pl. vi f. 5 J. Federated Malay States Mus. **1, sp. n.**

Armatosterna natalensis Durban, DISTANT (165), Ins. transvaal., **sp. n.**

Aromia and allies; brief table; REITTER Entomol. Ztg. Wien **25** (303).—*A. moschata* L. varr. n.; REITTER T.c. (275); sexual habits, SLEVOGT Insektenbörse **23** (64).

Artimpaza bicolor (314) f. 103, GAHAN Faun. Brit. Ind. Col. **1.**

Astetholea varia, opacicollis, denticollis, New Caledonia, FAUVEL (45) Rev. Ent. Caen **25, spp. n.**

Atossa spilota GAHAN (118) pl. vi f. 13 J. Federated Malay States Mus. **1, sp. n.**

Axinopalpus gracilis Kryn., Beschreibung, MÜLLER Entomol. Ztg. Wien **25** (223).

Bacuris **gen. n.** type *Eudesmus sexvittatus* Bates, GOUNELLE (274) Paris Bull. Soc. ent. **1906.**

Baralipton maculosum (42) fig. 15, GAHAN Faun. Brit. Ind. Col. **1.**

Bicon bimaculatum India, GAHAN (310) T.c., **sp. n.**

Blapsilon elongatum, scutellare, (61), *cyanipes, purpureum,* (62), New Caledonia, FAUVEL Rev. Ent. Caen **25, spp. n.**

Blosyropus dentatus New Caledonia, FAUVEL (47) T.c., **sp. n.**

Callichromopsis telephoroides (181) f. 71, GAHAN Faun. Brit. Ind. Col. **1.**

Callidium fasciatum Villers, Beschreibung, MÜLLER Entomol. Ztg. Wien **25** (223).

Callimus distinctipes Syrie, PIC (11) Echange **22, sp. n.**

Caloclytus jucundus (263) f. 92; *sagittarius* Ceylon (261), *socius* Darjiling (264), *dohertii* Burma (267), *patricius* Belgaum, *cingalensis* Ceylon, (268); GAHAN Faun. Brit. Ind. Col. **1, spp. n.**

Cantharocnemis downesi (27) fig. 10, GAHAN T.c.

Capnolymma cingalensis Ceylon, GAHAN (73) fig. 28 T.c.

Caraphia **gen. n.** *Lepturinae, cribrata* (75), *minor* (76), **spp. n.**, Burma, GAHAN T.c.

Centrotoclytus carinatus Andaman islds. (309) f. 100, GAHAN T.c., **sp. n.**

Ceresium leucosticticum (159) f. 64; *angustulum* (158), *modestum* India, *ventrale* Burma, (160), *apicale* Tenasserim, *nilgiriense* India, *andamanicum* Andaman islds., (161), **spp. n.**; GAHAN T.c.—*C. carinatum, lanigerum,* (49), *obscurum, vulneratum, nitidicolle,* (50), *binotatum* (51), New Caledonia, FAUVEL Rev. Ent. Caen **25, spp. n.**

Chelidonium gibbicolle (213) f. 80, GAHAN Faun. Brit. Ind. Col. **1.**

Chereutes **gen. n.** type *Eudesmus nivellateris* Thoms., GOUNELLE (272) Paris Bul. soc. ent. **1906.**

Chloridolum nympha (201) f. 77, GAHAN Faun. Brit. Ind. Col. **1.**

Choeromorpha robinsoni Malay penins. and Borneo, GAHAN (117) pl. vi f. 15 J. Federated Malay States Mus. **1, sp. n.**

Chreonoma fortunei Thoms. metamorphosis of (Japanese), KUWANA Knoch. Sek. Gifu **10** 1906 (12–15).

Cleomenes chryseus Burma (317) f. 105, GAHAN Faun. Brit. Ind. Col. **1, sp. n.**

Cleptometopus setiger New Caledonia, FAUVEL (99) Rev. Ent. Caen **25, sp. n.**

Closteromerus nitens Transvaal, JORDAN (161) pl. xvi f. 12 Ins. Transvaal by Distant, **sp. n.**

Clytellus olesteroides (313) f. 102, GAHAN Faun. Brit. Ind. Col. **1.**

Clytocera **gen. n.** near *Rhaphuma* (279), *chionospila* **sp. n.** S. India (280), GAHAN T.c.

Clytus callizonus Burma fig. 91, *monticola* Kashmir, GAHAN (251) T.c., **spp. n.**

Coelosterna rouyeri **sp. n.** Sumatra, RITSEMA Leiden Notes Mus. Jentink **28** (137–138).

Criocephalus exoticus f. 38; *C.* (*Cephallallus*) *unicolor* Assam **sp. n.**, GAHAN (97) Faun. Brit. Ind. Col. **1.**

Ctenodes geniculata var. = (*thoracica* Redt.), GOUNELLE (19) Paris Ann. soc. ent. **75.**

Cyclopeplus castaneus pl. i f. 7 Goyaz, *garmaini* f. 8 Bolivia, GOUNELLE (3) T.c., **spp. n.**

Cyllene robiniae, natural history, HOPKINS Washington D.C. Bull. U. S. Dep. Agric. Ent. **58** pt. i.

Cyrtonops nigra Manipur, GAHAN (60) fig. 22 Faun. Brit. Ind. Col. **1, sp. n.**

Dandamis **gen. n.** for *Cyrtonops nigropunctatus* Auriv. fig. 18, GAHAN (50) T.c.

Deilus notula New Caledonia, FAUVEL (57) Rev. Ent. Caen **25, sp. n.**

Delagoa testacea Transvaal, JORDAN (160) pl. xvi f. 30 Ins. Transvaal by Distant, **sp. n.**

Demagogus duchesnei Abyssinia, LESNE (505) Bul. Mus. Paris 1906, **sp. n.**

Demodes vittata, GAHAN (117) pl. vi f. 14 J. Federated Malay States Mus. **1** 1906, **sp. n.**

Demonax lineatus (281) f. 94; *monticola* Assam (282), *albosignatus*, *oblongomaculatus*, Burma, (283), *nigromaculatus* Sikkim (284), *decens* fig. 95, *decorus* S. India, (288), *andamanicus* Andaman Islds. (290), *dohertii* Manipur (291), *fryanus*, *quadricollis*, Burma, (293), *maculicollis* S. India (297); GAHAN Faun. Brit. India Col. **1, spp. n.** —*D. ventralis* Selangor, GAHAN (113) J. Federated Malay States Mus. **1, sp. n.**

Dere affinis f. 104, *fulvipennis*, India, *apicalis* Ceylon, (105), GAHAN Faun. Brit. Ind. Col. **1, spp. n.**

Derolus mauritanicus (135) f. 53; *discicollis* **sp. n.** Karachi (136); GAHAN Faun. Brit. Ind. Col. **1.**

Dialeges undulatus (143) f. 56, GAHAN Faun. Brit. Ind. Col. **1.**

Dicra **gen. n.** near *Leptonota*, *insignicornis*, (88), *nodicornis* (89), **spp. n.**, New Caledonia, FAUVEL Rev. Ent. Caen **25.**

Dinoprionus cephalotes (44) fig. 16, GAHAN Faun. Brit. Ind. Col. **1.**

Diorthus simplex (133) f. 51, GAHAN T.c.

Dissosternus pertii, GAHAN (8) fig. 2 T.c.

Distenia kalidasae (63) fig. 57; *dohertyi*, *dravidiana*, **spp. n.**, India, (64); GAHAN Tc.—*D. queketti* Natal, DISTANT (164) Ins. Transvaal, **sp. n.**

Doesus taprobanicus Ceylon, GAHAN Faun. Brit. Ind. Col. **1, sp. n.**

Dorcadion (*Compsodorcadion*), revision; *grande*, *kuznezovi*, *oplatum*, *pelidnum*, *rufidens*, **spp. n.**, JAKOVLEV Rev. russ. ent. **6** (32–48).—*D. curtulum* Pesse, PIC (50) Echange **22, sp. n.**—*D. arenarium*, variation, Josef MÜLLER Wien Verh. zool. bot. Ges. 1906 (690–695).—*D. arenarium* var. *marsicanum* d'Amore, Beschreibung, MÜLLER Entomol. Ztg. Wien **25** (249).

Dorysthenes rostratus, GAHAN (6) fig. 1 Faun. Brit. Ind. Col. **1.**

Dymasius macilentus (139) f. 55; *minor* India (140), *plagiatus* Burma (141), **spp. n.**, GAHAN T.c.

Dynamostes audax (62) fig. 23, GAHAN T.c.

Dystabia affinis, GAHAN (120) J. Federated Malay States Mus. **1, sp. n.**?

Eburia **sp.**, destructeur des maisons en Colombie; GARCIA Bul. Mus. Paris **1906** (96–100).

Enicodes trochilus (74), *annulifer*, *rugiceps*, *thomsoni*, (75), *granulum*, *viridipes*, (76), *clavus*, *cylindricus*, (77), *bougieri*, *gracilis*, (78), *opacus*, *bimaculatus*, *latreiellei*, (79), *scripticollis*, *fractimacula*, (80), *univittatus*, *limbicollis*, (81), New Caledonia, FAUVEL Rev. Ent. Caen **25, sp. n.**

Ephies coccineus India, GAHAN (87) f. 34 Faun. Brit. Ind. Col. **1, sp. n.**

Epipedocera zona (306) f. 99, *laticollis* **sp. n.** Burma (307), GAHAN T.c.

Erythrus westwoodi fig. 86, *coccineus* **sp. n.** N. India, GAHAN (231) T.c.

Estola picta N. America **n. sp.**, but probably is *Lypsimena tigrina* Sk., SCHAEFFER (20) Canad. Entomol. **38.**

Eudesmus; vide *Chereutes* and *Bacuris*.

Eunidia pusilla Natal, DISTANT (166) Ins. Transvaal, **sp. n.**

Euryphagus lundii (188) f. 74, GAHAN Faun. Brit. Ind. Col. **1.**

Eustromula **nom. n.** = *Eustroms* Lec., COCKERELL (242) Ent. News **17.**

Exocentrus lacteolus Natal DISTANT (166) Ins. Transvaal, **sp. n.**

Freadelpha junodi Transvaal, JORDAN (162) pl. xvi f. 16 Ins. Transvaal by Distant, **sp. n.**

Gelonaetha hirta (155) f. 62, GAHAN Faun. Brit. Ind. Col. **1.**

Glenea marleyi Natal, DISTANT (166) Ins. Transvaal, **sp. n.**—*G. robinsoni*, (120) pl. vi f. 16), *virgata* (121), GAHAN J. Federated Malay States Mus. **1, spp. n.**

Gnatholea simplex fig. 44, *fryana* **sp. n.** Tennasserim, GAHAN (111) Faun. Brit. Ind. Col. **1.**

Gymnocerus bruchi Argentine (17), *histrio* Amazones (18), GOUNELLE Paris Ann. soc. ent. **75, spp. n.**

Halme cinctella Ceylon (311) f. 101, *caerulescens* Andaman islds. (312), GAHAN Faun. Brit. Ind. Col. **1, spp. n.**

Hammatichaerus lasiocerus ♀ = (*consobrinus* Gah.), GOUNELLE (20) Paris Ann. soc. ent. **75.**

Haplocnemia curculionoides var. n. *nigronotata*, PIC (86) Echange **22.**

Haplohammus granulatus Malay penins. and Borneo, GAHAN (115) pl. vi f. 10 J. Federated Malay States Mus. **1, sp. n.**

Helius **gen. n.** near *Enicodes*, *brevicornis* **sp. n.** New Caledonia, FAUVEL (71) Rev. Ent. Caen **25.**

Hesperophanes sericeus Fabr., Sexualdimorphismus, MÜLLER Entomol. Ztg. Wien **25** (224).

Homalomelas gracilipes (233) f. 87, *quadridentatus* **sp. n.** Ceylon (234), GAHAN Faun. Brit. Ind. Col. **1.**

Hoplistocerus iheringi (6) pl. i f. 5, *callioides* (7) f. 8 Brésil, *dichrous* Colombie (8), GOUNELLE Paris Ann. Soc. ent. **75, spp. n.**

Hoplocerambyx spinicornis (132) f. 50, GAHAN Faun. Brit. Ind. Col. **1.**

Hypoëschrus indicus Calcutta (104) f. 41, GAHAN T.c., **sp. n.**

Hypsideres junodi Transvaal, JORDAN (163) pl. xvi f. 17 Ins. transvaal. by Distant, **sp. n.**

Ibidionidium corbetti (168) f. 66, GAHAN Faun. Brit. Ind. Col. **1.**

Iresioides moesta (320) f. 107, GAHAN T.c.

Ipothalia pyrrha (223) f. 83, GAHAN T.c.

Kunbir telephoroides (175) f. 69, GAHAN T.c.

Leiopus crucifer, *caledonicus*, New Caledonia, FAUVEL (98), Rev. Ent. Caen **25, spp. n.**

Leptonota scabricollis New Caledonia, FAUVEL (86) T.c., **sp. n.**

Leptura (*Strangalia*) *quadrifasciata* var. n. *lugubris*, SAHLBERG (47) Helsingfors Medd. Soc. Fauna Fl. Fenn. **31.**—*L. unipunctata dalmatina* var. n., Josef MÜLLER Wien Verh. Zool.-bot. Ges. 1906 (662).—*L. cerambyciformis* var. n., *bisbistigma*, *maculata* var. n. *alsatica*, PIC (67) Echange **22.**—*L. dubia* var. n. *moreana*, PIC (96) T.c.—*L. rubriola* (81) f. 33, *miniacea* (82), *lavinia* (83), N. India, *clytina*, *lepta*, (84), *cribripennis* (85), Burma, *manipurensis* Manipur (86), **spp. n.**, GAHAN Faun. Brit. Ind. Col. **1.**

Liagrica timida Muls., Sexualdimorphismus, MÜLLER Entomol. Ztg. Wien **25** (224).

Litopus dispar, habits, DISTANT (160) Ins. transvaal.

Logaeus subopacus (20) fig. 7, GAHAN Faun. Brit. Ind. Col. **1.**

Lophosternus indicus (10) fig. 3, *socius* (11), *palpalis* (12), *similis* (13), **spp. n.**, India and Burma, GAHAN T.c.

Macrochenus melanospilus Malay penins. and Borneo, GAHAN (114) pl. vi f. 8 J. Federated Malay States Mus. **1, sp. n.**

Macrotoma crenata (37) fig. 13, GAHAN Faun. Brit. Ind. Col. **1.**

Mallosia graeca, HOLTZ Insektenbörse Leipzig **23** (159–160).

Margites exiguus (137) f. 54; *modicus* **sp. n.** India (138); GAHAN Faun. Brit. Ind. Col. **1.**—*M. sulcifrons* (161) pl. xvi f. 11, JORDAN Ins. transvaal by Distant.

Massicus unicolor Assam, GAHAN (130) Faun. Brit. Ind. Col. **1, sp. n.**

Melegena flavipes Bombay, GAHAN (66) T.c.

Merionoeda andreuesi Nilgiri hills (172) f. 68, *taprobanica* Ceylon (173), GAHAN T.c., **spp. n.**

Micracantha signata New Caledonia, FAUVEL (95) Rev. Ent. Caen **25, sp. n.**

Microcleptes apicicornis (68), *rugicollis*, *ptinoïdes*, (69), *denticollis* (70), New Caledonia, FAUVEL T.c., **spp. n.**

Mimistena biplagiata Selangor, GAHAN (113) pl. vi f. 7 J. Federated Malay States Mus. **1, sp. n.**

Molorchus taprobranicus Ceylon, GAHAN (170) f. 67 Faun. Brit. Ind. Col. **1, sp. n.**

Monohammus serratus, Malay penins. and Borneo, GAHAN (115) pl. vi f. 9 J. Federated Malay States Mus. **1, sp. n.**

Nemaschema lineatum (83), *nitidulum chlorizans*, (84), *macilentum*, *griseum* (85), *filarium* (86), New Caledonia, FAUVEL Rev. Ent. Caen **25, spp. n.**

Neocerambyx grandis (125) f. 48, GAHAN Faun. Brit. Ind. Col. **1.**

Neodorcadion hircus **sp. n.** Mongolei, JAKOVLEV Rev. russ. ent. **6** (1–2).

Neopachyta **nom. n.** pro *Pachyta* Serv., BEDEL (93) Paris Bull. Soc. ent. **1906.**

Neoprion parandraeformis (29) fig. 11, GAHAN Faun. Brit. Ind. Col. **1.**

Nida flavovittata (318) f. 106; *andamanica* Andaman islds. (107) **sp. n.**, GAHAN T.c.

Nothopeus hemipterus (203) f. 78, GAHAN T.c.

Nyphasia pascoei (153) f. 61, GAHAN T.c.

Nysina, **gen. n.** for *Sphaerion orientalis* White, GAHAN (153) T.c.

Obereo; Gattungseinteilung, **subg. n.** *Amaurostoma*, MÜLLER Entomol. Ztg. Wien **25** (222).—*O. oculata*, Synonymie, HEYDEN Entomol. Ztg. Wien **25** (146–147).

Obrium translucidum (53), *laticorne* (54), New Caledonia, FAUVEL Rev. Ent. Caen **25, spp. n.**

Oemospila **gen. n.** near *Xystrocera* (104), *maculipennis* **sp. n.** N. India (105), GAHAN Faun. Brit. Ind. Col. **1.**

Oligoenoplus ventralis (302) f. 97, GAHAN T.c.

Oncideres cornuticeps Texas, SCHAEFFER (20) Canad. Entomol. **38, sp. n.**

Oplatocera oberthuri N. India (108) fig. 43, GAHAN Faun. Brit. Ind. Col. **1, sp. n.**

Oxymirus cursor Varietäten, REITTER Entomol. Ztg. Wien **25** (139–140).—*O. cursor* auctt. Quetta (79) f. 31, GAHAN Faun. Brit. Ind. Col. **1.**

Pachydissus parvicollis (134) f. 52, GAHAN T.c.

Pachylocerus crassicornis (226) f. 84, GAHAN T.c.

Pachyteria fasciata (196) f. 76, GAHAN T.c.

Paphora pulchra (323), *miles* (324), Australia, BLACKBURN Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Peithona **gen. n.** near *Apatophysis* (71), *prionoides* **sp. n.** Sikkim (72) fig. 27, GAHAN Faun. Brit. Ind. Col. **1.**

Peloconus **gen. n.** near *Aphalanthus*, *junodi* **sp. n.** Transvaal pl. xvi f. 14, JORDAN (163) in Distant Ins. transvaal.

Penichroa Steph. = (*Exilia* Muls. = *Liagrica* Costa), *P. fasciata* Steph. = (*timida* Mén.), BEDEL (93) Paris Bull. Soc. ent. **1906.**

Perissus nilgiriensis S. India (256), *dohertii* Manipur, *parvulus* Ceylon, (257), GAHAN Faun. Brit. Ind. Col. **1, spp. n.**

Phacellus cuvieri = (*purpureus* Lac.), GOUNELLE (20) Paris Ann. Soc. ent. **75.**

Pharsalia ferruginea Malay penins. and Borneo, GAHAN (116) pl. vi f. 11 J. Federated Malay States Mus. **1, sp. n.**

Philus globulicollis (57) fig. 21, GAHAN Faun. Brit. Ind. Col. **1.**

Phoracantha savesi New Caledonia, FAUVEL (47) Rev. Ent. Caen **25, sp. n.**

Phyodexia concinna (183) f. 72, GAHAN Faun. Brit. Ind. Col. **1.**

Phytoecia angelicae Reitt. (22), *puncticollis* var. n. *aladaghensis* (37), REITTER Entomol. Ztg. Wien **25.**—*P. virgula* Charp. and *P. vulnerata* Muls., MÜLLER Entomol. Ztg. Wien **25** (221).—*P. suworowi* **sp. n.** Kaukasus, KOENIG Entomol. Ztg. Wien **25** (26).—*P.* (*Obereina*) *luteovittigera* Perse, *guilleti* Yunnan, PIC (4) Echange **22, spp. n.**

Phyxium lanatum New Caledonia, FAUVEL (89) Rev. Ent. Caen **25, sp. n.**

Plocaederus obesus (122) f. 47, GAHAN Faun. Brit. Ind. Col. **1.**

Polyacantha tigrina (90), *trifolium* (91), New Caledonia, FAUVEL Rev. Ent. Caen **25, spp. n.**

Polyphida modesta Selangor, GAHAN (113) pl. vi f. 6 J. Federated Malay States Mus. **1, sp. n.**

Polyzonus tetraspilotus varr. n. *megaspilus*, *microspilus*, (215) and *macrospilus* (216), *bizonatus* (217); f. 81; *brevipes* (217), *watsoni* (218), **spp. n.**, Burma, GAHAN Faun. Brit. Ind. Col. **1.**

Praonetha subtincta Pasc. to *Pterolophia*, GAHAN (119) J. Federated Malay States Mus. **1.**

Prionomma atratum (17) fig. 5, GAHAN Faun. Brit. Ind. Col. **1.**

Prionus corpulentus (15) fig. 4, *elliotti* Quetta **sp. n.** (16); GAHAN T.c. —*P. tridentatus* L. = (*coriarius* L.), BEDEL (93) Paris Bull. Soc. ent. **1906.**

Priotyranus mordax (22) fig. 8, GAHAN Faun. Brit. Ind. Col. **1.**

Protaxis, **gen. n.** *Protaxini* new group of *Cerambycinae*, *fulvescens* **sp. n.** fig. 36 Burma, GAHAN (93) T.c.

Prothema aurata Assam, GAHAN (235) f. 88 Tc., **sp. n.**

Psilomerus angustus fig. 96, *bimaculatus* (300), *hampsoni* (301), S. India, **spp. n.**; GAHAN T.c.—*P. gracilis* Selangor, GAHAN (112) pl. vi f. 4 J. Federated Malay States Mus. **1, sp. n.**

Pteridotelus argentellus New Caledonia, FAUVEL (95) Rev. Ent. Caen **25, sp. n.**

Pterolophia robinsoni, GAHAN (119) J. Federated Malay States Mus. **1, sp. n.**

Purpuricenus sanguinolentus (184) f. 73, GAHAN Faun. Brit. Ind. Col. **1.**

Pyrestes pyrrhus India (228) f. 85, *dohertii* Burma (289); GAHAN T.c., **spp. n.**

Pyrocalymma pyroehroides fig. 35; *conspicua* **sp. n.** Burma; GAHAN (89) T.c.

Ranqueles, **gen. n.** near *Hesperophanes* (140), *mus* **sp. n.** Mendoza (141) GOUNELLE Paris Bull. Soc. ent. **1906.**

Rhaphipodus taprobanicus (31) fig. 12, GAHAN Faun. Brit. Ind. Col. **1.**

Rhaphuma diana Burma (271), *patkaina* Assam (272), *phiale* Burma (273), *fulgurata* Sikkim, *manipurensis* Manipur, (274), *rhea* (276), *suturalis*, *trinalba*, (278), *elegantula* (279), S. India; GAHAN T.c., **spp. n.**

Rhondia, **gen. n.** for *Leptura pugnax* Dohrn, figured fig. 32, GAHAN (79) T.c.

Rhytidodera robusta (147) f. 59, GAHAN T.c.

Rosalia alpina L. varr. n. *selineki* & *kyselyi* Herzegowina, ZOUFAL Entomol. Ztg. Wien **25** (264).—*R. lameerei* (177) f. 70, GAHAN Faun. Brit. Ind. Col. **1.**

Salpinia socia Assam, GAHAN (163) T.c., **sp. n.**—*S. picta* New Caledonia, FAUVEL (52) Rev. Ent. Caen **25, sp. n.**

Saperda populnea L. Brutpflege, BENICK Nerthus Altona **6** 1904 (306–310).

Sarmydus antennatus (52) fig. 19, GAHAN Faun. Brit. Ind. Col. **1.**

Sebasmia templetoni f. 57, *testacea*, Ceylon, (144), *nigra* Nilgiri hills (145), **spp. n.**, GAHAN T.c.

Sibylla dancoi, LAMEERE (49) pl. i f. 9 Résult. Belgica, Zoologie.

Sphaerion blandum Newm. = (*detritum* Lam.), GOUNELLE (20) Paris Ann. Soc. ent. **75.**

Spondylis buprestoides, an invasion of, Berlin, WANACH (236) Berliner ent. Zs. **50.**

Stenhomalus fenestratus (166) f. 65, GAHAN Faun. Brit. Ind. Col. **1.**

Strangalia elboursensis Persia, PIC (390) Bul. Mus. Paris 1905, **sp. n.**

Strongylurus spinosus (55), *unidens* (56), New Caledonia, FAUVEL Rev. Ent. Caen **25, sp. n.**

Syndere lagria Jord., JORDAN (162) pl. xvi f. 10 Ins. transvaal. by Distant.

Taurelema oberthuri Rio Tapojos, (12) pl. i f. 2, *flavocincta* Colombie, *albopunctata* Guatemala, (13), *rutilans* Bahia, (14), GOUNELLE Paris Ann. Soc. ent. **75, spp. n.**

Teledapus dorcadioides (77) fig. 30, GAHAN Faun. Brit. Ind. Col. **1.**

Tetraommatus filicornis (101) f. 40; *bimaculatus* **sp. n.** S. India (102); GAHAN T.c.

Tetropium orcinum Himalaya GAHAN (95) f. 37 T.c., **sp. n.**

Thercladodes bohemani Wh. pl. xvi f. 15, JORDAN (164) Ins. Transvaal. by Distant.

Thranius gibbosus (237) f. 89; *triplagiatus* Manipur, *fryanus* Tenasserim, **spp. n.**, (238); GAHAN Faun. Brit. Ind. Col. **1.**

Tmesisternus vestitus New Caledonia, FAUVEL (72) Rev. Ent. Caen **25, sp. n.**

Toxotus meridianus pupal habits, MJÖBERG (17) Uppsala Arkiv. Zool. **3** No. 6.

Trachylophus sinensis (146) f. 58, GAHAN Faun. Brit. Ind. Col. **1.**

Tricondyloïdes arachne New Caledonia, FAUVEL (63) Rev. Ent. Caen **25, sp. n.**

Trinophylum cribratum (156) f. 63, GAHAN Faun. Brit. Ind. Col. **1.**

Typodryas callichromoides (65) fig. 25; *trochanterius* **sp. n.** Assam (66); GAHAN T.c.

Xoanodera regularis (150) f. 60, GAHAN T.c.

Xyloteles ochraceotinctus, luniger, (65), *litteratus, murinus, laticollis,* (66), New Caledonia, FAUVEL Rev. Ent. Caen **25 spp. n.**

Xylotrechus quadripes (245) f. 90; *stebbingi* Himalaya, *lateralis* Burma, (244), *contortus* Sikhim (249), **spp. n.**; GAHAN Faun. Brit. Ind. Col. **1.**

Xylotrechus consocius pl. vi f. 3, *affinis* f. 1, Malay penins., **spp. n.,** (111); *X. discors* Gah. f. 2 (112) GAHAN J. Federated Malay States Mus. **1.**

Zonopterus flavitarsis (191) f. 75; *corbetti* Burma (192), *diversus* Ceylon (193), **spp. n.**; GAHAN Faun. Brit. Ind. Col. **1.**

Zooblax elateroides (40) fig. 14, GAHAN T.c.

Zoodes quadridentatus (116), *fulguratus, nilgiriensis,* (117), India, GAHAN T.c., **spp. n.**

Zoographus oculatus var. n. *ruschi* (225), *aulicus* var. n. *pulverulentus* (226), NONFRIED Stettiner ent. Ztg. **67.**

Zygocera fasciolata New Caledonia, FAUVEL (92) Rev. Ent. Caen **25, sp. n.**

The following Cerambycidae have been previously recorded in the Zoological Record.

(*Acanthocinus linearis,* Arizona, SKINNER, Ent. News, **16,** 1905, (289–292), n. sp.)

(*Aromia pruinosa,* Kuldscha, REITTER, Entomol., Ztg., Wien, **22,** 1903, (233), sp. n.)

(*Colemia bruchi,* GOUNELLE, Paris, Bul. soc. ent., **1905,** sp. n.)

(*Coptops nivisparsa,* Tonkin, FAIRMAIRE, Mission Pavie, **3,** sp. n.)

(*Dorcadion dalmatinum* (137), *subcarinatum,* Italien, Südtirol (139), *velebiticum,* Kroatien (140), *brattiense,* Ins. Brazza, Dalmatien (144), *rubripes,* Herzegowina, Dalmatien, Kroatien (145), *hypophilum,* Bosnien, Dalmatien, Montenegro (146), spp. n., MÜLLER, Entomol. Ztg., Wien, **24,** 1905.)

(*Eurynassa figurata,* Life history, COX, Sydney, N.S.W., Australian Naturalist, **1,** (30).)

(*Lucasianus levaillanti* Lucas, découverte en France et ses moeurs, MAYET, Paris, Bul. soc. entom, **1905,** (277–279).)

(*Lypsimena tigrina,* Arizona, SKINNER, Ent. News, **16,** 1905, (289–292), sp. n.)

(*Oncideres quercus,* Arizona, SKINNER, *l.c.,* sp. n.)

(*Oxymirus cursor,* var. n., *subvittatus,* Böhmen, REITTER, Entomol. Ztg., Wien, **24,** 1905, (206); var. n., *nigrinus,* Tirol, REITTER, T.c. (250).)

(*Parazodes auririllii,* GOUNELLE, Paris, Bul. soc. ent., **1905,** sp. n.)

(*Pilemia,* Artübersicht, *wawerkana,* Hochsyrien, REITTER, Entomol. Ztg., Wien, **24,** 1905, (240), sp. n.)

(*Prionus areschanus,* FAIRMAIRE, Paris, Bul. soc. ent., **1905,** sp. n.)

(*Purpurianus miniatus,* Tonkin, FAIRMAIRE, Mission Pavie, **3,** sp. n.)

(*Rosalia alpina* L., di Sicilia e sue varietà, RAGUSA, Enrico., Naturalista sicil., Palermo, **18,** N. 1, 1905, (7–8).)

(*Strangalia novercalis,* sp. n., *jägeri* Hummel, *fenestrata,* Circassien, *melanura melanurella,* Sibirien, *melanura rubellata,* varr. n., Kaukasus, REITTER, Entomol. Ztg., Wien., **20,** 1901, (77–80).)

(*Sternotomus pupieri* Comores, FLEUTIAUX, Paris Bul. soc. ent., **1905,** (7–8), sp. n.)

(*Tetropiopsis guldei,* Algérie, CHOBAUT, Paris, Bul. soc. ent., **1905,** sp. n.)

BRUCHIDAE.

Bruchidius königi Kurdistan (96), *modestus* Mantchuria (97), *reitteri* Araxes Valley (95), **spp. n.,** SCHILSKY in Küster and Kraatz Käfer Europas **42.**

Caryoborus lineatocollis Cochin Chine, PIC (58) Paris Bull. Soc. entom. **1906, sp. n.**

Kytorrhinus hauseri Dsungaria, PIC (50) Echange **22, sp. n.**

Laria versus *Bruchus*, SCHILSKY D. ent. Zs. **1906** (467–469).

Pachymerus speculifer and *polycoccus*, SCHROTTKY Zs. Wiss. Insekten-biol. **2** (98–102).

Spermophagus luteonotatus var. n. *paulonotatus*, *baeri* **sp. n.** Pérou, PIC (3) Echange **22.**

CHRYSOMELIDAE

(except *Hispides* and *Cassidides*, for which *vide* p. 269).

Investigation of evolution in the genus *Leptinotarsa*, TOWER Washington D.C. Carnegie Inst. Publ. **48** (x + 320 30 pls.).

The genera and species of *Clytrinae*, JACOBY and CLAVAREAU Fasc. 49 Gen. Ins. (1–87 with 5 pls.).

Structure and life history of the larval stages of the Donaciinæ, (Danish); BÖVING Dr. Disp. Köbenhavn 1906 (viii + 263 with 7 pls.).

Aesernia meeki (1), *costata* (2), New Guinea, JACOBY, Entomologist London **29, spp. n.**—*A. gestroi* New Guinea, JACOBY (25) T.c., **sp. n.**

Amphimela ornata cf. *Torodera fasciata.*

Androlyperus incisus **n. sp.** Arizona, SCHAEFFER (247) Brooklyn Mus. Bull. **1.**

Anteriscus; composition, WEISE (39) D. ent. Zs. Berlin 1906.

Aphthona lutescens Gyll. var. n. *praeclara*, BODEMEYER D. ent. Zs. **1906.**—*A. marshalli* (11), *dilutipes* (12), Natal, JACOBY London Trans. ent. soc. 1906, **spp. n.**

Asbecesta coerulescens, *commoda*, Cameroons, **spp. n.**, WEISE D. ent. Zs. Berlin **1906** (205).

Asphaera unicolor (399), *femorata*, *discicollis*, (400), *hilaris*, *albifrons*, (401), *tarsata* pl. xiv f. 10, *nasalis* (402), *amabilis* (403), *zonulata* f. 7 (404), *vernalis*, *separata*, (405), *glabripennis*, *funerea*, (406), *brevicollis* (407), *dimidiaticornis*, *dejeani*, (408), *albicincta* pl. xiv f. 4, *bisbiplagiata* (409), *biplagiata*, *erichsoni*, (410), *maculicollis*, *apicalis*, (411), *elegantula* (412) pl. xiv f. 6, *tibialis*, *ferrugineo-vittata*, (413), *lacerata* (414), *nitidissima* f. 5, *viridicollis*, (415), *tessellata* f. 8, *variegata* (416), *basimaculata* (417), *divisa* f. 9, *fuscofasciata* (418), S. America, *carilloensis* Costa Rica (403), JACOBY London Proc. Zool. Soc. 1905 **2, spp. n.**

Aulamorphus hollisi var. n. *sellatus*, WEISE (52) D. ent. Zs. Berlin 1906.—*A. pictus* E. Africa, JACOBY (49) London Trans. ent. Soc. 1906, **sp. n.**

Beiratia **gen. n.** *Monoleptinae*, *inornata* **sp. n.** Beira pl. iii f. 19, JACOBY (50) T.c.

Blepharida; the species, WEISE (55) D. ent. Zs. Berlin 1906.

Calligrapha polyspila metamorphoses, BRUCH (321) pl. ii Revist. Mus. La Plata **11.**

Candezea congener, *parvicollis*, S. Africa, (43), *annulicornis* Zambesi pl. iii f. 12, *morio*, (44), *pygidialis* (45), W. Africa, JACOBY London Trans. ent. soc. 1906, **spp. n.**

Cercyonia nigricollis Natal, JACOBY (16) T.c., **sp. n.**—*C. usambarica* E. Africa **sp. n.**, WEISE (57) D. ent. Zs. Berlin **1906.**

Chaetocnema dunbrodensis (17), *barkeri* (18), *purpurea* (19), S. Africa, JACOBY London Trans. ent. soc. 1906, **spp. n.**—*C. vincenti* **sp. n.** Aegypten, REITTER Entomol. Ztg. Wien **25** (37).

Chiloto na italica Umbria, LEONI (145) Riv. Col. ital. **4, sp. n.**

Chlamys prosternalis, *texana*, (227), *huachucae* (228), N. America, SCHAEFFER Brooklyn Mus. Bull. **1, spp. n.**

Cneorane ? *acaciae* **sp. n.** Texas, SCHAEFFER T.c. (246).

Colaspis subtropicus **sp. n.** Texas, SCHAEFFER T.c. (235).

Colaspoides macrocephalus **sp. n.** Texas, SCHAEFFER T.c. (236).

Colasposoma häfligeri (49), *sumptuosum* (50), **spp. n.**, E. Africa, WEISE D. ent. Zs. Berlin **1906.**

Coptocephala thoracica var. n. *bijuncta*, PIC (42) Echange **22.**

Crepidodera (*Derocrepis*) *acuminata* (14), *C. malvernensis* (15) pl. iii f. 1, *nigripes* (16), **spp. n.**, S. Africa; *C. usambarica* Weise = (*peringueyi* Jac.) (15); JACOBY London Trans. ent. Soc. 1906.—*C. aesculi* **sp. n.** Cincinnati,

Dury Cincinnati Ohio J. Soc. **20** (251–256).—*C. ferruginea interpunctata* and var. *sublaevis*, Poppius (71–73) Helsingfors Medd. Soc. Fauna Fl. Fenn. **31**.

Crioceris asparagi L. et ses variétés, Pic Paris Bul. soc. ent. **1906** (119–123).—*C. asparagi* and *macilenta* varr. n., Heyden Entomol. Ztg. Wien **25** (123–126).—*C. asparagi* var. n. *moguntiaca*, Schuster Wiesbaden Jahrb. Ver. Natk. **59** (145–152).—*C. macilenta* var. n. *mediodisjuncta*, Pic (34) Echange **22**.

Cryptocephalus ineptus (42), *C.* (*Anteriscus*) *ertli* (46), *proteus* (41), E. Africa, **spp. n.**, *erythromelas* var. n. *kigonsensis* (38), Weise D. ent. Zs. Berlin **1906**.—*C. duryi* (230), *simulans* (231), *umbonatus*, *quercus*, (232), N. America, **spp. n.**, Schaeffer Brooklyn Mus. Bull. **1**.

Cyrtonus montanus, Entwicklung, Weise D. ent. Zs. **1906** (405–409).

Diabrotica soror, local variation, Kellogg (621–624) Science **24**.

Diachus subopacus **sp. n.** Arizona, Schaeffer (234) Brooklyn Mus. Bull. **1**.

Diamphidia concinna E. Africa **sp. n.**, Weise (56) D. ent. Zs. Berlin **1906**.

Dilinosa fallax E. Africa **sp. n.**, Weise T.c. (54).

Donacia clavareaui Kjachta, Jacobson (311) Bruxelles Ann. Soc. ent. Belgique **50**, **sp. n.**

Dunbrodya **gen. n.** near *Jamesonia* (20), *nitida* **sp. n.** Cape Colony (21) pl. iii f. 5, Jacoby London Trans. ent. Soc. 1906.

Duriviera apicitarsis = (*sublaevipennis* Jac.), Jacoby (51) T.c.

Entomoscelis adonidis food-plants, Mayet Feuille jeunes natural **36** (167).

Epitrix humeralis **sp. n.** Cincinnati, Dury Cincinnati Ohio J. Soc. **20** (251–256).

Ergana bicolor E. Africa, Jacoby (48) London Trans. ent. Soc. 1906, **sp. n.**

Eubrachis usambarica E. Africa **sp. n.**, Weise (45) D. ent. Zs. Berlin **1906**.

Euplecnema **gen. n.** near *Claetocnema*, *nigrita* **sp. n.** Cape Colony pl. iii f. 4, Jacoby (22) London Trans. ent. soc. 1906.

Eusattodera **gen. n.** near *Luperodes*, *pini* **sp. n.** Arizona, Schaeffer (244) Brooklyn Mus. Bull. **1**.

Eutheca conradsi E. Africa **sp. n.**, Weise (55) D. ent. Zs. Berlin **1906**.

Exosoma (*Malacosoma*) *sheppardi*, *sturmi*, (30), *tongaatensis* (31), **spp. n.**, Africa; *apicipenne* pl. iii f. 10, Jacoby London Trans. ent. soc. 1906.

Fidia viticida, natural history, Felt Albany Univ. Rep. St. Mus. **57** (1–51) pls. i–vi.

Gavirga fasciata Bolivia, *peruana* Peru, **spp. n.**, Weise (203) D. ent. Zs. Berlin **1906**.

Glyptina arizonica **sp. n.** Huachuca mts., Schaeffer (252) Brooklyn Mus. Bull. **1**.

Gonioctena variabilis, variation according to conditions, Doncaster (528–536) London Proc. Zool. Soc. 1905 **2**.

Gonophora interrupta Duv., Gestro Genova Ann. Mus. **42** (128–129).

Gynandrophthalma jacobyi **nom. n.** for *lacordairea* Jac. (45), *martini* **nom. n.** for *placida* Jac. (47), Clavareau Gen. Ins. Fasc. **49**.—*G. polita* **sp. n.** E. Africa, Weise (37) D. ent. Zs. Berlin **1906**.

Hallirhotius and allies, Weise (53) T.c.

Haltica texana **sp. n.** Brownsville, Schaeffer (250) Brooklyn Mus. Bull. **1**.

Haplotes bifasciata Ogowé pl. iii f. 13, Jacoby (36) London Trans. ent. Soc. 1906, **sp. n.**—*Haplotes* cf. *Macrima*.

Hemixantha subrugosa Natal (37) pl. iii f. 18, *subconnectens* f. 16, *dilaticornis* f. 15, (38), Beira, *dilutipes* Natal (39) f. 17, Jacoby London Trans. ent. Soc. 1906, **spp. n.**

Hespera cinctella E. Africa **sp. n.**, Weise (58) D. ent. Zs. Berlin **1906**.

Homophoeta clavareaui (398), *peruviana* (399) pl. xiv f. 2, *argus* f. 3, *angustolineata* f. 1, (591), S. America, Jacoby London Proc. zool. Soc. 1905 **2**, **spp. n.**

Hyperacantha silvana Gazaland (26), pl. iii f. 11, *obesa* Natal (27) f. 8, **spp. n.**, *flavodorsata* and *adusta* distinguished (28), JACOBY London Trans. ent. Soc. 1906.

Jamesonia sheppardi E. Africa, JACOBY T.c., **sp. n.**

Labidostomis bigemina var. n. *semideficiens*, PIC (19) Echange **22.**—*L. sardoa* **sp. n.** Sardinia, JACOBSON Riv. Col. ital. **4** (30–31).

Lactica infuscata **sp. n.** Texas, SCHAEFFER (250) Brooklyn Mus. Bull. **1.**

Lema elongata **sp. n.** East Africa, WEISE (35) *hirtipennis* Jac. = (*klugi* Jac. = *binominata* Clav.) (36), D. ent. Zs. Berlin **1906.**—*L. hoffmannseggi* Lac. a valid species, REITTER (22) Entomol. Ztg. Wien **25.**

Leptaulaca maculicollis Natal pl. iii f. 7, *labiata* E. Africa, JACOBY (29) London Trans. ent. Soc. 1906, **spp. n.**

Leptinotarsa; biology, evolution, Carnegie Inst. Publ. **48**, *L. oblongata*, *intermedia*, *rubicunda*, **spp. n.**, Mexico, TOWER T.c. (6, 7).—*E. decemlineata* var. n. *texana*, SCHAEFFER (239) Brooklyn Mus. Bull. **1.**

Lina and *Gastroidea*, breeding colour varr., MCCRACKEN J. exp. Zool. Baltimore **3** (331–336).

Longitarsus amabilis (12), *braunsi* (13), Cape Colony, JACOBY London Trans. ent. Soc. 1906, **spp. n.**—*L. femoralis*, neuer Schädling der Runkelrübe in Russland, VASILJEV Věst. sacharn. promyšl. **7** (548–556, 589–595).

Luperodes californica **sp. n.** California, SCHAEFFER (245) Brooklyn Mus. Bull. **1.**

Luperus thomsoni Sierra Leone, *semifoveolatus*, (32), *incertus* (33) pl. iii f. 20, S. Africa, JACOBY London Trans. ent. Soc. 1906, **spp. n.**

Macrima africana to *Haplotes*, JACOBY (51) T.c.

Malacorhinus nigrescens **sp. n.** Utah, SCHAEFFER (248) Brooklyn Mus. Bull. **1.**

Malacosoma pini **sp. n.** Arizona, SCHAEFFER (248) Brooklyn Mus. Bull. **1.**

Malegia indica Pondichéry, PIC (5) Echange **22, sp. n.**

Megalognatha sheppardi, *inconspicua*, E. Africa, (46), *weisei* Usambara (47), JACOBY London Trans. ent. Soc. 1906, **sp. n.**

Monolepta camerunensis, *violaceipennis*, W. Africa, (40), *pygidialis* Natal, *zambesiana* Zambesi, (41), *selecta* (42), *beiraensis* (43), Beira, **spp. n.**, *atricornis* **nom. n.** for *nigricornis* Weise (44), JACOBY London Trans. ent. Soc. 1906. —*M. crucigera* **sp. n.** Arizona, SCHAEFFER (249) Brooklyn Mus. Bull **1.** —*M. ludicra* **sp.n.** E. Africa, WEISE (54) D. ent. Zs. Berlin **1906.**

Nisotra weisei Beira pl. iii f. 2, *oneili* Cape Colony, JACOBY (21) London Trans. ent. Soc. 1906, **spp. n.**

Nodonota rotundicollis (237), *arizonica* (238), N. America, SCHAEFFER Brooklyn Mus. Bull. **1, spp. n.**

Ochrosis natalensis Malvern, JACOBY London Trans. ent. Soc. 1906 (17), **sp. n.**—*O. pisana* var. n. *viridana*, *O. salicariae* var. n. *unicolor*, REITTER D. ent. Zs. **1906** (451).

Oedionychis rotundicollis, *paraguayensis*, (419), *nigrosuturalis*, *picifrons*, (420), *millepora*, *distincta*, (421), *apicicornis*, *sordida*, (422), *ecuadoriensis*, *rhodina*, (423), *pallescens*, *inconspicua*, *herbacea*, (424), *nigrotibialis*, *consimilis*, (425), *nigrimana* (426), *parallina*, *colombiana*, (427), *diversa*, *bisbinotata* pl. xv f. 8, (428), *variata*, *ingrata*, (429), *venezuelensis* (430), *centromaculata* f. 2 (431), *subcostata*, *motschulskyi*, *indigosoma*, (432), *intersignata*, *rustica*, (433), *catharinae*, *ocellata* pl. xv f. 10, (434), *humboldti*, *waterhousei*, (435), *exclamationis* f. 3, *interruptovittata* f. 6, (436), *bistrifasciata* (437), *informis*, *grayi*, (438), *arcuata*, *bipartita*, (439), *illustris* (440) f. 11, *illigeri* (441), *imperialis*, *occipitalis*, (442), *aenea* (443), *regina* pl. xiv f. 12, *difficilis*, (444), *colombiana*, *succincta*, (445), *weisei*, *selecta*, (446), *cardinalis* (447), *fulvotibialis*, *vittatipennis*, (448), *adjuncta* pl. xv f. 12 (449), *cinctipennis*, *pallidicincta*, (450), *semifoveolata* f. 5, *flavomarginata* f. 9, (451), *bipunctulata*, *triloba*, (452), *basinotata* f. 4, *maculatissima* (453), *duodecimnotata* pl. xiv f. 11 (454), *subdilatata* (455), *atropunctata*, *argentinensis*, (456), *nigropunctata* (457), *torquata*, *decora*, (458), *bicolorata*, *nigrobasalis*, (459), *prominula* (460) pl. xv f. 1, S. America: *arcuatofasciata* (431), *donckieri* (449), *persimilis* (455), Mexico; JACOBY

London Proc. Zool Soc. 1905 **2**; **spp. n.**

Oides sheppardi E. Africa, JACOBY (26) London Trans. ent. Soc. 1906, **sp. n.**

Orestia electra and *apennina* distinguished, WEISE (204) D. ent. Zs. Berlin 1906.

Orina alpestris variation, REINECK Zs. wiss. Insektenbiol. **2** (21–22).

Pachybrachys apicenotatus var. n. *multinotata*, PIC (27) Echange **22**.—*P. bodemeyeri* **sp. n.** Klein-Asien, WEISE D. ent. Zs. **1906** (472).—*P.* (*Pachystilus*) *pentheri* Asia Minor, GANGLBAUER (280) Wien Ann. Hofmus. **20, sp. n.**

Pachytoma ruficeps E. Africa **sp. n.**, WEISE (51) D. ent. Zs. Berlin **1906**.

Palaeosastra **gen. n.** *Galerucinae* (2), *gracilicornis* **sp. n.** New Guinea (3); JACOBY Entomologist London **29**.

Papuania **gen. n.** position doubtful, *impressipennis* **sp. n.** New Guinea, JACOBY (3) T.c.

Paratriarius **gen. n.** type *Galeruca dorsata* Say, SCHAEFFER (243) Brooklyn Mus. Bull. **1**.

Paropsis hebe to *Pyrgo*, WEISE (204) D. ent. Zs. Berlin 1906.

Pedrillia annulata var. n. *disconotata*, PIC (27) Echange **22**.

Peploptera arcuata Dahomey (28), *pallipes* Tanganika, *suturalis* Congo, (29), CLAVAREAU Gen. Ins. Fasc. **49, spp. n.**

Phygasia barkeri, bicolorata, S. Africa, JACOBY (24) London Trans. ent. Soc. 1906, **spp. n.**

Phyllotreta maculicornis Syrie, *distinctipes* (? *crassicornis* var.) Algérie, PIC (35) Echange **22, spp. n.**—*P. weisei* Cape Colony, JACOBY (13) pl. iii f. 3 London Trans. ent. Soc. 1906, **sp. n.**—*P. lindahli* **sp. n.** Cincinnati, DURY Cincinnati Ohio J. Soc. **20** (251–256).

Physonychis beiraensis E. Africa, pl. iii f. 6, JACOBY (25) London Trans. ent. Soc. 1906, **sp. n.**

Plagiodera erythroptera metamorphoses, BRUCH (317) pl. i Revist. Mus. La Plata **11**.

Platyxantha (*Haplotes*) *bicolor* W. Africa (35), *occipitalis* Natal pl. iii f. 14 (36), JACOBY London Trans. ent. Soc. 1906, **spp. n.**

Prasocuris phellandrii, larvae habits, LOISELLE Feuille jeunes natural. **36** (133–134).

Pseudocolaspis mombonensis (48), *nobilis* (47), **spp. n.**, E. Africa, WEISE D. ent. Zs. Berlin **1906**.

Psylliodes chrysocephala larvae and habits, CARPENTER (152–155) pl. xi J. econ. Biol. London **1**.

Saxinis subpubescens (221), *knausii, scutellaris*, (222), N. America, **spp. n.**, *omogera* var. n. *sinuata, saucia* var. n. *californica*, (225); SCHAEFFER Brooklyn N.Y. Mus. Bull. **1**.

Scelodonta vitticollis E. Africa **sp. n.**, WEISE (43) D. ent. Zs. Berlin **1906**.

Schematizella viridis = (*Hystaspes dohrni* Jac.), JACOBY (51) London Trans. ent. Soc. 1906.

Spilocephlus apicalis Zambesi, JACOBY (48) T.c., **sp. n.**

Stictocema **gen. n.** near *Schematizella* (33), *maculicollis, fasciata* pl. iii f. 9, (34), **spp. n.**, Cameroons, JACOBY T.c.

Systena pallicornis **sp. n.** Texas, SCHAEFFER (252) Brooklyn Mus. Bull. **1**.

Thelyterotarsus fausti var. n. *armeniaca*, PIC (35) Echange **22**.

Timarcha coriaria Laich., eine Literaturstudie, SEIDLITZ Entomol. Ztg. Wien **25** (277–280).

Torodera fasciata = (*Amphimela ornata* Jac.), JACOBY (25) London Trans. ent. Soc. 1906.

Triachus peninsularis **sp. n.** Lower California, SCHAEFFER (234) Brooklyn Mus. Bull. **1** (234).

Trichaltica virescens **sp. n.** Arizona, SCHAEFFER (251) T.c.

Trirrhabda subcyanescens **sp. n.** Texas, SCHAEFFER (241) T.c.

Uhehlia **gen. n.** near *Nerissus* (44), *pardalis* **sp. n.** E. Africa (45), WEISE D. ent. Zs. Berlin **1906**.

Weiseana **gen. n.** near *Homichloda* type *barkeri* Jac., JACOBY (23) London Trans. ent. Soc. 1906.

Zygogramma arizonica **sp. n.** Palmerlee, SCHAEFFER (240) Brooklyn Mus. Bull. **1.**

(*Coptocephala gebleri*, var. n. *inundata*, Turkestan, REITTER, Entomol. Ztg. Wien, **24,** 1905, (251))

(*Cryptocephalus vittula* Suffr. var. *lugubris* n. var., DEMAISON, Paris, Bul. soc. ent., **1904,** (286–287))

(*Lina lapponica*, heredity, McCRACKEN, J. Exp. Zool., Baltimore, Md., **2,** 1905, (117–136).)

(*Pachybrachis rugifer*, ABEILLE DE PERRIN, Paris, Bul. soc. ent., **1904,** sp. n.)

(*Phyllotreta künnemanni*, Dauphiné, REITTER, Entomol. Ztg. Wien, **24,** 1905, (251), sp. n.)

(*Phytodecta flavicornis infernalis, viminalis reniplagiata*, varr. n., PENECKE, Entomol. Ztg., **20,** 1901, (11–21).)

(*Semicnema reitteri* Weise, Vorkommen in Ungarn und Bosnien, REITTER, Entomol. Ztg., Wien, **21,** 1902, (1–9).)

HISPIDES AND CASSIDIDES.

Anisodera nigrolineata Malacca and Borneo (472), *longipennis* Tonchino (474), GESTRO Genova Ann. Mus. **42, spp. n.**

Anoplitis gestroi Nicaragua, WEISE (238) T.c., **sp. n.**

Aspidomorpha candens, ertli, häfligeri, obtusangula, Ostafrika, **spp. n.,** SPAETH D. ent. Zs. **1906** (399–403).

Brachispa, **gen. n.** near *Dicladispa* (488), *multispinosa* Transvaal **sp. n.** (489), GESTRO Genova Ann. Mus. **42.**

Callispa limbata Fernando Po, GESTRO (504) T.c., **sp. n.**

Cassida; Biologie, Schädlichkeit, JABLONOWSKI Rovart. L. Budapest **13** 1906 (135–140, 157–162).—*C. manubialis, silphoides, decipiens, revulsa, punctipennis, gallarum, deplanata, fugax*, **spp. n.,** Ostafrika, SPAETH D. ent. Zs. 1906 (385–396).—*C. suspiciosa* ab. n. *connexa*, WEISE (59) D. ent. Zs. Berlin 1906.—*C. suspiciosa* ab. n. *picturata*, SPAETH D. ent. Zs. **1906.**

Chalepus medius, metamorphoses, (325) pl. iii, BEUCH Revist. Mus. La Plata **11.**

Cryptonychus; disposisione delle specie, GESTRO Genova Ann. Mus. Civ. **42** (132–134).—*C. discolor* (506), *leonardi* (508), *tenuirostris* (509), *crassirostris* (511), *cribricollis* (512), *brevicollis* (514), Africa occ., GESTRO Genova Ann. Mus. **42, spp. n.**—*C. limbatus* to *Brontispa*, GESTRO (471) Genova Ann. Mus. **42**; WEISE (34) D. ent. Zs. Berlin 1906.

Dactylispa dolichocera (525), *reduncа* (526), *puncticollis* (527), *nigricornis* (529), *incredula* (531), *cavicollis* (533), Africa occ., GESTRO Genova Ann. Mus. **42, spp. n.**

Dichirispa mashonana var. n. *kigonserenis*, WEISE (58) D. ent. Zs. Berlin 1906.

Dicladispa traversii Scioa (490), *striaticollis* (491), *poeciloptera* (493), Usambara, *peringueyi* (494), *formosa* (495), Transvaal, *tenuispina* Usambara (497), *platyclada* Congo (499), GESTRO Genova Ann. Mus. **42, spp. n.**

Distolaca nitida Sumatra, GESTRO, (477) T.c., **sp. n.**

Downesia bouchardi Sumatra, GESTRO, (480) T.c., **sp. n.**

Gonophora maculipennis Mindanao, GESTRO (475) T.c., **sp. n.**

Gyllenhalius macrorhinus Kassai, GESTRO (470) T.c., **sp. n.**

Hispodonta bifasciata Batcian, GESTRO (469) T.c., **sp. n.**—*H. depressa* Nuova Guinea, GESTRO T.c. (130), **sp. n.**

Leptispa graminum Fernando Po, GESTRO (503) T.c., **sp. n.**

Macrispa saundersii hab. British Bootang, GESTRO (130) T.c.

Micrispa; catalogue (479), *bouchardi* **sp. n.** Sumatra (477), GESTRO T.c.

Microrhopala arizonica **sp. n.** Huachuca mts., SCHAEFFER (253) Brooklyn Mus. Bull. **1.**

Octhispa (*Heptispa*) *solarii* Nicaragua, WEISE (241) Genova Ann. Mus. **42, sp. n.**

Oncocephala angusticollis Niger, GESTRO (480) Genova Ann. Mus. **42, sp. n.**—*O. cuneata* (517), *scabrosa* (518), Africa occ., GESTRO T.c., **spp. n.**

Oxycephala speciosa var. = (*dilutipes* Weise), GESTRO (131) T.c.

Paradownesia fruhstorferi Tonchino, GESTRO (483) T.c., **sp. n.**

Philodonta **gen. n.**, *modesta* **sp. n.** Bengal, WEISE D. ent. Zs. **1906** (404).

Platypria andrewesi **sp. n.** Bombay, WEISE D. ent. Zs. **1906** (404).

Pleurispa weisei Togo, GESTRO (487) Genova Ann. Mus. **42, sp. n.**

Prionispa vethi Giava (484), *longicornis* Tenasserim (485), GESTRO T.c., **spp. n.**

Trichispa feae S. Thomé, GESTRO (536) T.c., **sp. n.**

Wellacea limbata Madras, GESTRO (468) T.c., **sp. n.**

(*Hispa testacea*, LESNE, Paris, Bul. soc. ent., **1904**, (68–70).

EROTYLIDAE.

Dacne fowleri characters, JOY (72) Ent. Rec. 1906.

Helota lesnei Chine, RITSEMA (196) Bull. Mus. Paris **12, sp. n.**—*H. jentinkii* **sp. n.** Sumatra, RITSEMA Leiden Notes Mus. Jentink **26** (223–225).—*H. rouyeri* **sp. n.** West-Sumatra, RITSEMA Leiden Notes Mus. Jentink **28** (131–133).

ENDOMYCHIDAE.

Sphaerosoma albanicum **sp. n.**, APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. I (1670).

(*Alexia formancki* sp. n., Herzegowina, Südbosnien, REITTER, Entomol. Ztg., Wien, **21**, 1902, (1–9, mit 1 Taf.).)

COCCINELLIDAE.

Die Aufenthaltsorte der Coccinelliden. MEISSNER Ent. Zs. Guben **20** (187–188).

Zucht von Coccinellidenlarven. MEISSNER. Insektenbörse Leipzig **23** 1906 (143–144).

Azya nigrina Brasilia, WEISE (198) Revist. Mus. La Plata **11, sp. n.**

Brachyacantha bruchi Tucuman, WEISE (196) Revist. Mus. La Plata **11, sp. n.**

Callineda testudinaria, number of eggs, TERRY (12) Honolulu Proc. Hawai. ent. Soc. **1.**

Cephaloscymnus bruchi Brasilia, WEISE (198) Revist. Mus. La Plata **11, sp. n.**

Chilocoris insularis **sp. n.** Madagascar, WEISE (208) D. ent. Zs. Berlin **1906.**

Chnoodes tarsalis Brasilia, WEISE (197) Revist. Mus. La Plata **11, sp. n.**

Cleothera fasciata cf. Fabr. nec Muls., WEISE (34) D. ent. Zs. Berlin 1906.—*C. secessionis* Brasilia, WEISE (196) Revist. Mus. La Plata **11, sp. n.**

Coccinella septempunctata, SAJÓ Prometheus **17** (489–492, 506–509).

Cycloneda puncticollis var. n. *livida*, WEISE (195) Revist. Mus. La Plata **11.**

Epilachna cuprina, *ertli*, **spp. n.**, E. Africa, WEISE (60) D. ent. Zs. Berlin **1906.**

Exochomus kohlschutteri E. Africa **sp. n.**, WEISE T.c. (64).—*E. nigromaculatus*, THEOBALD Khartoum Rep. Wellcome Res. Lab. **2** (96).

Hyperaspis conclusa Tucuman, WEISE (197) Revist. Mus. La Plata **11, sp. n.**

Megatela **gen. n. subfam. n.** (159), *erotyloides* **sp. n.** Cameroons (160), WEISE D. ent. Zs. Berlin 1906.

Mulsantina **nom. n.** = *Cleis* Muls., WEISE T.c. (34).

Mysia gebleri and *oblongoguttata* distinguished, WEISE (326) T.c.—*M. oblongoguttata* L. ab. n. *atrata*, ENGERT D. ent. Zs. **1906** (464).

Neocalvia bruchi Tucuman, WEISE (194) Revist. Mus. La Plata **11, sp. n.**

Pharoscymnus **nom. n.** pro *Pharus* Muls., BEDEL (93) Paris Bull. Soc. ent. 1906.

Pristonema humeralis Brazil **sp. n.**, WEISE (160) D. ent. Zs. Berlin **1906.**

Psyllobora pavida Tucuman, WEISE (195) Revist. Mus. La Plata **11, sp. n.**

Scymnus jacobsoni **sp. n.** St. Petersburg, BAROVSKY Rev. russ. ent. **6** 1906 (8–9).

Solanophila hafligeri (63), *kaffäensis* (61), **spp. n.**, E. Africa, WEISE D. ent. Zs. Berlin 1906.—*S. bipunctata* (207), *blaesa*, *hora*, (206), *4-punctata* (207),

Madagascar, **spp. n.**, WEISE T.c.—*S. cusema, punctatissima*, S. America, WEISE (193) Revist. Mus. La Plata **11**, 1904, **spp. n.**

(*Adalia bipunctata* var. n., PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).)

(*Adonia variegata* var. n. *transsylvanica*, PENECKE, T.c.)

(*Coccinella decempunctata* var. n. *mediopunctata* Steiermark, PENECKE, T.c.)

(*Halyzia* 14-*guttata* var. n. *concolor*, PENECKE, T.c.)

†Fossil coleoptera. Incertae sedis.

HANDLIRSCH, Fossil. Ins., (400–403), proposes the following new genera and species for fossil *Coleoptera* from Triassic strata, the systematic positions of which are doubtful :—

Eocoleopteron **gen. n.**, *roemeri* **sp. n.**, Trias. Deutschland (400).

Pseudochrysomelites **gen. n.** for *Chrysomelites rothenbachi* Heer, (400).

Pseudohydrophilites **gen. n.** for *Hydrophilites nathorsti* Heer, (400).

Pseudocurculionites **gen. n.** type *Curculionites redtenbacheri*, HANDLIRSCH (399) Fossil. Ins.

Pseudobuprestites **gen. n.** (? wirklich eine Buprestide) for *Buprestites petrophylli* Heer, HANDLIRSCH (399) Fossil. Ins.

Pseudoelateropsis **gen. n.** doubtfully *Elateridae*, for *Elateropsis infraliassica* Roem., HANDLIRSCH (399) Fossil. Ins.

Parabuprestites **gen. n.** for *Buprestites rugulosus* Heer, (400).

Paracurculionites **gen. n.** for *Curculionites parvulus* Heer, (401).

Nannocurculionites **gen. n.** for *Curculionites carlsoni* Heer, (401).

Angelinella **gen. n.** for *Elytridium angelini* Heer, (401).

Heeriella **gen. n.** for *Elytridium laevigatum* Heer, (401).

Pseudocarabites **gen. n.** for *Carabites deplanatus* Heer, (401).

Flichea **gen. n.** for *Glaphyroptera lotharingiaca* Fliche, (402).

Etheridgea **gen. n.** for *E. australis* **sp. n.** Trias. Queensland, (402).

Pseudorhynchophora **gen. n.**, *olliffi* **sp. n.** Trias. Queensland, (402).

Ademosyne **gen. n.** (402), *minor* **sp. n.** (403) Trias. Queensland.

The following new genera and species of *Coleoptera*, from the Lias, are described by Handlirsch :—

Elaterophanes **gen. n.** for *Elater socius* Gieb. and *vetustus* Brodie, Lias England, HANDLIRSCH (436) Fossil. Ins.

Glaphyropterites **gen. n.** for *Glaphyroptera depressa* Heer, HANDLIRSCH (437) Fossil. Ins.

Glaphyropterodes **gen. n.** for *Glaphyroptera gehreti* Heer, HANDLIRSCH l.c.

Glaphynopterula **gen. n.** for *Glaphyroptera gracilis* Heer, HANDLIRSCH l.c.

Plastelater **gen. n.** for *Elater neptuni* Gieb., HANDLIRSCH (438) Fossil. Ins.

Parnidium frechi, geinizi, Lias Mecklenburg, HANDLIRSCH (438) Fossil. Ins., **spp. n.**

Thoracotes **gen. n.** for *Nitidulites argoviensis* Gein., HANDLIRSCH (438) Fossil. Ins.

Proctobuprestis **gen. n.** for *Glaphyroptera brevicollis* Heer, HANDLIRSCH (439) Fossil. Ins.

Bellingeropsis **gen. n.** for *Bellingera laticollis* Heer, HANDLIRSCH (440) Fossil. Ins.

Procarabites **gen. n.** for *Carabites bellus* Heer, HANDLIRSCH (440) Fossil. Ins.

Brodiola **gen. n.**, *nana* **sp. n.** Lias England, HANDLIRSCH (441) Fossil. Ins.

Plastonebria **gen. n.** for *Nebria scudderi* Gein., HANDLIRSCH (444) Fossil. Ins.

Plastobuprestites **gen. n.** for *Buprestites elegans* Gein., HANDLIRSCH (444) Fossil. Ins.

Notokistus **gen. n.**, *brodiei* **sp. n.** Lias England, HANDLIRSCH (444) Fossil. Ins.

Hadrocephalus **gen. n.**, *anglicus, liasinus*, minor, **spp. n.**, Lias England, HANDLIRSCH (444) Fossil. Ins.

Colymbetopsis **gen. n.** for *Colymbetes arcuatus* Heer, HANDLIRSCH (445) Fossil. Ins.

Chrysomelopsis **gen. n.** for *Chrysomela andraei*, Gieb., HANDLIRSCH (445) Fossil. Ins.

Gyrinopsis **gen. n.** for *Gyrinites antiquus* Heer, HANDLIRSCH (446) Fossil. Ins.

Eurynucha **gen. n.**, *pseudobuprestis* **sp. n.** Lias Mecklenburg, HANDLIRSCH (446) Fossil. Ins.

Nannoodes **gen. n.**, *pseudocistela* **sp. n.** Lias Mecklenburg, HANDLIRSCH (446) T.c.

Pseudocyphon **gen. n.**, *geinitzi* **sp. n.** Lias Mecklenburg, HANDLIRSCH (446) Fossil. Ins.

Anagyrinus **gen. n.** for *Gyrinus atavus* Heer, HANDLIRSCH (447) Fossil. Ins.

Paragyrinus **gen. n.** for *Gyrinus dubius* Gieb., HANDLIRSCH (448) Fossil. Ins.

Phaulogyrinus **gen. n.** for *Gyrinites minimus* Heer, HANDLIRSCH (448) T.c.

Coptogyrinus **gen. n.**, *scutellatus* **sp. n.** Lias Mecklenburg, HANDLIRSCH (449) T.c.

Xenogyrinus **gen. n.** for *Gyrinus natans* Brodie, HANDLIRSCH (449) T.c.

Mimelater **gen. n.** for *Elater angulatus* Gieb., HANDLIRSCH (449) T.c.

Adynasia **gen. n.** for *Buprestites lyellii* Heer, HANDLIRSCH (449) T.c.

Kaleusticus **gen. n.** for *Buprestites zirkeli* Gein., HANDLIRSCH (450) T c.

Allognosis **gen. n.** for *Nebria nitens* Gein., HANDLIRSCH (450) T.c.

Dinoharpalus **gen. n.** for *Harpalus liasinus* Gieb., HANDLIRSCH (450) T.c.

Anepismus **gen. n.** for *Elater vanus* Gieb., HANDLIRSCH (450) T.c.

Enamma **gen. n.**, *striatum* **sp. n.** Lias Mecklenburg, HANDLIRSCH (451) T.c.

Stigmenamma **gen. n.** for *Harpalus heeri* Gieb., HANDLIRSCH (451) T.c.

Steneltron **gen. n.** for *Elater redtenbacheri* Gieb., HANDLIRSCH (451) T.c.

Dysarestus **gen. n.** for *Elaterites vetustus* Heer, HANDLIRSCH (451) T.c.

Smodicoptera **gen. n.** for *Euchroma liasina* Heer, HANDLIRSCH (452) T.c.

Melanophilopsis **gen. n.** for *Melanophila costata* Heer, HANDLIRSCH (452) T.c.

Melanophilites **gen. n.** for *Melanophila sculptilis* Heer, HANDLIRSCH (453) T.c.

Holcoptera **gen. n.** for *Harpalus schlotheimi* Gieb., HANDLIRSCH (453) T.c.

Holcoëlytrum **gen. n.** for *Harpalus schlotheimi* Gieb., HANDLIRSCH (453) T.c.

Pseudoprionites **gen. n.** for *Prionus liasinus* Gein., HANDLIRSCH (453) T.c.

Pseudotelephorus **gen. n.** for *Telephorus haueri* Gieb., HANDLIRSCH (454) T.c.

Carabites geinitzi Lias Mecklenburg, HANDLIRSCH (455) T.c.

Nebrioides **gen. n.** for *Nebria dobbertinensis* Gein., HANDLIRSCH (455) T.c.

Paracurculium **gen. n.** for *Curculionites punctatus* Gein., HANDLIRSCH (455) T.c.

Anhydrophilus **gen. n.**, *broidiei* **sp. n.** Lias England, HANDLIRSCH (455) T.c.

Gyrinulopsis **gen. n.**, *nanus* **sp. n.** Lias Mecklenburg, HANDLIRSCH (455) T.c.

Polypamon **gen. n.** for *Cistelites byrrhoides* Gein., HANDLIRSCH (456) T.c.

Bathyergus **gen. n.** for *Cistelites bellus* Gein., HANDLIRSCH (456) T.c.

Hydrobiites anglicus, *giebeli*, Lias England, HANDLIRSCH (456) T.c., **spp. n.**

The following new genera and species are described by HANDLIRSCH from Jurassic strata.

Malmelater **gen. n.** for various jurassic forms ? *Elateridae*, HANDLIRSCH (541) Fossil. Ins.

Pseudothyrea **gen. n.** *Elateridae* ?, *oppenheimi* **sp. n.** Kalk Bayern, HANDLIRSCH (541) Fossil. Ins.

Eurythyreites **gen. n.**, ? *Buprestidae* for *Eurythyrea grandis* Deichm., HANDLIRSCH (542) Fossil. Ins.

Pyrochroophana **gen. n.** for *Pyrochroa brevipes* Deichm., *P.* ? *major* Kalk Bayern **sp. n.** HANDLIRSCH (542) T.c.

Helophoropsis **gen. n.**, nec *Hydrophilidae*, for *Helophorus brodiei* Gieb., HANDLIRSCH (543) T.c.

Sphaerodemopsis **gen. n.** for *Sphaerodema jurassicum* Opp., HANDLIRSCH (543) T.c.

Opsis **gen. n.**, *bavarica* **sp. n.** Kalk Bayern, HANDLIRSCH (544) T.c.

Geotrupoides **gen. n.** for *Geotrupes lithographicus* Deichm., HANDLIRSCH (545) T.c.

Amarodes **gen. n.** for *Amara pseudozabrus* Deichm., HANDLIRSCH (545) T.c.

Chalepocarabus **gen. n.** for *Carabus elongatus* Brodie, HANDLIRSCH (546) T.c.

Cerylonopsis **gen. n.** for *Cerylon striatum* Brodie, HANDLIRSCH (547) T.c.

Parasilphites **gen. n.** for *Silphites angusticollis* Opp., HANDLIRSCH (547) T.c.

Procalosoma major, minor, **spp. n.** Kalk Bayern, HANDLIRSCH (548) T.c.

Chlaeniopsis **gen. n.** for *Chlaenius solitarius* Deichm., HANDLIRSCH (548) T.c.

Chrysomelophana **gen. n.** for *Chrysomela rara* Weyenb., HANDLIRSCH (549) T.c.

Scaphidiopsis **gen. n.** for *Scaphidium hageni* Weyenb., HANDLIRSCH (550) T.c.

Prochrysomela **gen. n.** for *Chrysomelites jurassicus* Opp., HANDLIRSCH (550) T.c.

Pseudotenebrio **gen. n.** for *Tenebrio innominatus* and *Hister relictus* Weyenb., HANDLIRSCH (550) T.c.

Microcoleopteron **gen. n.** for *Chrysomelites minimus* Opp., HANDLIRSCH (550) T.c.

Apiaria oppenheimi Kalk Bayern, HANDLIRSCH (552) T.c., **sp. n.**

Halticophana **gen. n.,** *westwoodi* **sp. n.** Purbeck England, HANDLIRSCH (552) T.c.

Anapiptus **gen. n.,** *brodiei* **sp. n.** Purbeck England, HANDLIRSCH (552) T.c.

Paragrilium **gen. n.** for *Elaterium barypus* Westw., HANDLIRSCH (553) T.c.

Metagrilium **gen. n.,** *westwoodi* **sp. n.** Purbeck England, HANDLIRSCH (553) T.c.

Microelaterium **gen. n.** for *Elaterium triopas* Westw., HANDLIRSCH (554) T.c.

Parabuprestium **gen. n.** for *Buprestium teleas* Westw., HANDLIRSCH (554) T.c.

Ctenicerium gigas Purbeck England, HANDLIRSCH (555) T.c., **sp. n.**

Doggeria **gen. n.,** *sibirica* Sibirien Dogger, *murchisoni* England Stonesfield slate, **spp. n.,** HANDLIRSCH (555) T.c.

Doggeriopsis **gen. n.,** *stonesfieldiana* **sp. n.** England Stonesfield slate, HANDLIRSCH (556) T.c.

Paradoggeria **gen. n.,** *acuminata* **sp. n.** England Stonesfield slate, HANDLIRSCH (556) T.c.

Bucklandula **gen. n.,** *striata* **sp. n.** England Stonesfield slate, HANDLIRSCH (556) T.c.

Kelidus **gen. n.** for *Buprestium bolbus* Westw., HANDLIRSCH (556) T.c.

Glaphoptera **gen. n.,** *anglica* **sp. n.** England Stonesfield slate, HANDLIRSCH (557) T.c.

Prionophana **gen. n.** for *Prionus antiquus* Westw., HANDLIRSCH (557) T.c.

Lamiophanes **gen. n.** for *Lamia schroeteri* Gieb., HANDLIRSCH (557) T.c.

Xylotupia **gen. n.,** *brodiei* **sp. n.** England Stonesfield slate, HANDLIRSCH (557) T.c.

Mimema **gen. n.,** *punctatum* **sp. n.** England Stonesfield slate, HANDLIRSCH (557) T.c.

Adikia **gen. n.,** *punctulata* **sp. n.** England Stonesfield slate, HANDLIRSCH (558) T.c.

Katapiptus **gen. n.,** *striolatus* **sp. n.** England Stonesfield slate, HANDLIRSCH (558) T.c.

Bothroptera **gen. n.** for *Curculionites westwoodi* Gieb., HANDLIRSCH (558) T.c.

Zygadenia **gen. n.** for *Curculionites tuberculatus* Gieb., HANDLIRSCH (558) T.c.

Ironicus **gen. n.** for *Harpalidium nothrus* Westw., HANDLIRSCH (558) T.c.

Diatarastus **gen. n.** for *Carabus westwoodi* Gieb., HANDLIRSCH (559) T.c.

Hydroporopsis **gen. n.** for *Hydroporus enptuni* Gieb., HANDLIRSCH (559) T.c.

Apistotes **gen. n.** for *Elater purbeccensis* Gieb., HANDLIRSCH (559) T.c.

Biadelater **gen. n.** for *Elater werneri* Gieb., HANDLIRSCH (559) T.c.

Kibdelia **gen. n.** for *Prionus ooliticus* Brodie, HANDLIRSCH (559) T.c.

Pallax **gen. n.**, *prevosti* **sp. n.** England Stonesfield slate, HANDLIRSCH (560) T.c.

Pachycoleon **gen. n.** for *Buprestium woodlei* Westw., HANDLIRSCH (560) T.c.

Pseudocymindis **gen. n.** for *Cymindis antiqua* Gieb., HANDLIRSCH (560) T.c.

Tentyridium dilatatum Purbeck England, HANDLIRSCH (561) T.c., **sp. n.**

Kakoselia **gen. n.** for *Camtodontus angliae* Gieb., HANDLIRSCH (561) T.c.

Epomenus **gen. n.**, *rugosus* **sp. n.** Purbeck England, HANDLIRSCH (562) T.c.

Stictulus **gen. n.**, *brodiei* **sp. n.** Purbeck England, HANDLIRSCH (562) T.c.

Harpalomimes **gen. n.** for *Harpalus burmeisteri* Gieb., HANDLIRSCH (562) T.c.

Prosthenosticlus **gen. n.** for *Crypticus angeri* Gieb., HANDLIRSCH (562) T.c.

Tychon **gen. n.** for *Helophorus antiquus* Gieb., HANDLIRSCH (563) T.c.

Memptus **gen. n.**, *braueri*, *redtenbacheri*, **spp. n.**, Siberia Dogger, HANDLIRSCH (563) T.c.

Pseudus **gen. n.**, *purbeccensis* **sp. n.** England, HANDLIRSCH (563) T.c.

Pantodapus **gen. n.** for *Harpalus ewaldi* Purbeck England **sp. n.**, HANDLIRSCH (464) T.c.

Helopidium rugosum, *dubium*, Purbeck England, HANDLIRSCH (565) Fossil. Ins., **spp. n.**

Kamaroma **gen. n.**, *brevc* **sp. n.** Purbeck England, HANDLIRSCH (565) T.c.

Katapontisus **gen. n.** for *Elmis brodiei*, HANDLIRSCH (565) T.c.

Semiglobus **gen. n.** *jurassicus*, *chrysomelinus*, **spp. n.**, Purbeck England, and *Coccinella neptuni* Gieb., HANDLIRSCH (566) T.c.

Coccinellophana **gen. n.**, *murchisoni* **sp. n.** England Stonesfield slate, HANDLIRSCH (566) T.c.

Prophasis **gen. n.** for *Chrysomela ignita* Gieb., HANDLIRSCH (566) T.c.

Hyperomima **gen. n.** for *Hypera antiqua* Gieb., HANDLIRSCH (567) T.c.

HYMENOPTERA.

Spolia hymenopterologica, SCHULZ, (iii + 356) 1 Taf. The larger part of this work is entitled "Strandgut," and consists of annotations on Dalla Torre's Catalogus Hymenopterorum. We have recorded all the new names, but not the other corrections and notes, which are very numerous.

Catalogue of Philippine Hymenoptera, BROWN Philippine J. Sci. Manila **1** 1906 (683–695).

APIDAE.

Morphology and biology of solitary bees, SEMICHON (281–442) Bul. Sci. France Belgique Paris **40**, plates xiii–xv.

Visual memory of bees, GRAENICHER Milwaukee Bull. Wis. Nat. Hist. Soc. **4** 1906 (135–142).

Bees of Australia, peculiarities, COCKERELL (439) Nature **73**.

Acanthopus excellens, doubtful synonymy, SCHROTTKY (117) Zs. Hymenopter Teschendorf **6**.

Agapostemon vulpicolor **sp. n.** Costa Rica, CRAWFORD (162) Philadelphia Trans. Amer. Ent. Soc. **32**.

Allodapa mirabilis **sp. n.** Kamerun, SCHULZ (245) Spolia hymenopt.

Andrena; Swiss species, continuation of tables and notes, FREY-GESSNER Hym. Helvet. **3** (277–340).—*A.*, Smith's N. American species, COCKERELL (6–10, 33–37) Psyche **13**.

A. gentianae **sp. n.** Canigou, [but T.c (179) is *tarsata* Nyl.], VACHAL Paris Bul. soc. ent. **1906** (131–134). — *A. cyanophila* (431), *micranthophila* (432), *ribesina* (433), *topazana*, *runcinatae*, (434), *lewisii*, *fragiliformis*, (435), *synthyridis*, *sieverti*, (436), *lappulae* (437), *colletina* (454), **spp. n.**, Colorado, *ricina argentiniae* subsp. n. (432), COCKERELL New York Bull. Amer. Mus. Nat. Hist. **22**.—*A. sepulta* (44), *A.* (?) *clarula* (45), Colorado, COCKERELL Cambridge Mass. Bull. Mus. Harvard **50**, **spp. n.**—*A. johnsoniana* New Mexico, *wilmattae* Colorado, COCKERELL (224) Ann. Mag. Nat. Hist. ser. 7 **17**, **spp. n.**—*A.* (*Trachandrena*) *perforatella* (306), *A.* (*Pterandrena*) *gardineri* (307), *A. lupinorum* (308), *pyrura* (309), *edwiniae*

(310), Colorado; COCKERELL T.c., **spp. n.** —*A. birtwelli* redescribed, COCKERELL (310), T.c.—*A. nigritula* **n.n.** for *nigrita* Morawitz nec Fabr., COCKERELL (74) Op. cit. **18.**—*A. metallescens* **nom. n.** for *metallica* Rad., COCKERELL (166) Canad. Entomol. **38.**

†*Anthidium scudderi, exhumatum,* Florissant, COCKERELL (38) Cambridge Bull. Mus. Harvard **50, spp. n.**—*A. repetitum* **nom. n.** für *A. integrum* Friese 1905, SCHULZ (263) Spolia hymenopt.

Anthoglossa aureotincta W. Australia, COCKERELL (16) Entomologist London **29, sp. n.**

Anthophora fedorica Texas (70), *anstrutheri* California (71), *arthuri* Colorado, *abruptella* California, (72), **spp. n.**, COCKERELL Philadelphia Trans. Amer. Ent. Soc. **32.**

Anthophoridae; catalogue and revision of North American, COCKERELL T.c. (63–116).

Anthrena dubiosa Asia Minor, KOHL (286) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**—*A. commutata* **nom. n.** für *gravida* Dours, *reclamata* **nom. n.** für *coarctata* Pérez, SCHULZ (241) Spolia hymenopt.

Apis; monograph (including reprint of Gerstaecker's 1862 paper); *A. meliponoides* **sp. n.** in amber (158); *A. mellifica* varr. n. *lehzeni* (184), *unicolor-intermissa* (187), *unicolor-friesei* (188), *indica-koschevnicovi* (192), *indica-picea* (193), BUTTEL-REEPEN Berlin Mitt. zool. Mus. **3.**

Apis; the species and their distribution, *A. indica* F. var. *javana* n., *A. florea* F. var. *fuscata* n. and var. *sumatrana* n., ENDERLEIN (331–344) Stettiner ent. Ztg. **67.**

Apis; Arten und Rassen und deren Berichtigung, KOSHEVNIKOV Věst. Obšč. pčelovad. **13** (99–106); *A. dorsata binghami* nom. n. for *zonata* Sm., *mellifera lamarckii* nom. n. for *fasciata* Latr., COCKERELL (166) Canad. Entomol. **38**; *A. mellifica*; Das Buch von der Biene, WITZGALL Stuttgart 1906 (x + 580); habits, PHILLIPS Pennsylvania Rep. Dept. Agric. Harrisburg **11** (679–691).

Leben der Bienen, BOHM, Leipziger Bienenztg. **21** (130–133, 149–150); Nidification à l'air libre, BOUVIER Paris Ann. soc. ent. **75** 1906 (429–444) plates xviii–xx; also Paris C.-R. Acad. sci. **142** 1906 (1015–1020).—Division du travail, abeille, BONNIER (941–946) Paris C.-R. Acad. Sci. **143.**

Bau der Waben, Gründe für das Schwärmen, RISCH Russ. pčelovod. listok **19** (390–393). — Schwärmen, DICKEL D. ill. Bienenztg **23** (86–88, 103–105, 120–123, 135–137, 149–150, 163–165, 179–183); DIATSCHENKO Zs. wiss. Insektenbiol. Husum **2** 1906 (285–288).—Entgegnung darauf v. H. v. Buttel-Reepen ebenda (359–361).—Künstliche Schwärme, BRUKSCH Russ. pčelovod. listok **19** (394).—Abhängigkeit des Schwärmens von der Fruchtbarkeit der Königin und der Ausgiebigkeit der Tracht., DĬAČENKO Russ. pčelovod. listok **21** (11–17, 42–47).—Länge des Rüssels, KULAGIN Zool. Anz. **29** (711–716) and **30,** (462).—Wachsdrüsen, ARNHART Zool. Anz. **30** (719–720).—Circulation of blood, ARNHART, Zool. Anz. **30** (721–722).—Athmungsorgane, Lautaüsserungen, DĬAČENKO Moskva Ann. Inst. agron. **12** (1–14).—Erkennungsvermögen durch den Geruchssinn, KONDRATENKO Russ. pčelovod. listok **21** (17–18).—Einfluss des Kunstwaben auf Grösse, etc., GOLITSYN Russ. pčelovod. listok **21** (75–82, etc., etc.)—Odeur, FORESTIER Abeille et sa culture Huy 1905 (231–232, 248–251).—Drohnen keine Wärmeerzeuger, DĬAČENKO Russ. pčelovod. listok **19** (394).—Königinzucht, BRÜNNICH Leipziger Bienenzeitung **21** 1906 (3–5); Bemerkung dazu v. H. Mulot l.c. (99–100) u. Erwiderung d. Verf. (115–116).—Gegenseitige Hilfeleistung, SMIRNOV Russ. pčelovod. listok **21** (353–355). — Spermatogenesis, DONCASTER Anat. Anz. **29** (490–491).—Wiederholte Begattung der Königin, SMIRNOV Russ. pčelovod. listok **21** (301–303).—Parthenogenese und Hervorbringung des Geschlechts, (Russ.), SMIRNOV Kazaní Trd. Obšč. pčelovod. **1** 2, (9–18).—Verbesserung der Rasse durch künstliche Auslese, BUTKRVIČ Russ. pčelovod. listok **21** (47–51, 78–74, 113–115).—Mathematische Betrachtungen über den Bau der Zelle, BĚLJAVSKIJ Věst. Obšč. pčelovod. **13** (76–79).

Augochlora fervida = (*chorisis* Vach.), COCKERELL (162) Canad. entomol. **38.**

Augochloropsis (*Paraugochloropsis*) *celieno* Paraguay, SCHROTTKY (30) An.

cient. Paraguay **1** No. 6, **sp. n.**—*A.* (*Paraugochloropsis* **subg. n.**) *lycorias* Paraguay, *A.* (*Pseudaugochloropsis* **subg. n.**) *sthena* Argentina (313), *euryale* Paraguay, (314), SCHROTTKY Zs. Hymenopter **6, spp. n.**

Biglossa, **gen. n.** near *Colletes* and *Andrena* (374), *thoracica*, *laticeps*, (376), *similis* (377), *chalybaea*, *caerulescens*, (378), *aenea*, *armata*, (379), **spp. n.**, Argentina and Chile, FRIESE Zs. Hymenopter **6.**

Bombus; Psychologie, Nestbau, Rückkehr, etc., WAGNER Zoologica H. **46** I (= Bd 19, Lfg 2), 1906 (iii + 78, Taf.). —Routes, etc., SUNDVIK (156-160) Helsingfors Medd. Soc. Fauna Fl. Fenn. **32.**—Ethologie, LIE-PETTERSEN (42) Bergens Mus. Aarb. **1906** No. 9 (42); and (193-213), Bergen Naturen **30.**—*B. deuteronymus* **nom. n.** für *senilis* F. Sm. 1879, SCHULZ (267) Spolia hymenopt.—*B. ephippiatus lateralis* = (*leucomelas* Cr. and Sw.), habitat, CRAWFORD (157) Philadelphia Pa. Trans. Amer. ent. Soc. **32.**—*B. fervidus* copula, FAIRCHILD and BARRETT Washington D.C. Proc. Ent. Soc. **8** (13-14).—*B. haemorrhoidalis*, habits in India, BURKILL Calcutta J. As. Soc. **2** (521-525).—*B. iridis phacelia* subsp. n., COCKERELL (160) Canad. Entomol. **38.**—*B. kohli* **n. n.** for *carbonarius* Handl., COCKERELL (75) Ann. Mag. Nat. Hist. ser. 7 **18.**—*B. lapidarius* mit abnormem Flügelgeäder, TARNANI Novo. Aleksandrija Zap. Inst. selïsk. choz. **18** (106-134).—*B. terrestris*, migration and return, LUCKHAM (65) Entomologist 1906.

†*Calyptapis* **gen. n.** *Anthophoridae* (41), *florissantensis* **sp. n.** Colorado (42), COCKERELL Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50.**

Camptopoeum chilense (173) Chile, *flaviventre*, *steinbachi*, (174), *minutum* (175), Argentina, **spp. n.**, FRIESE Zs. Hymenopter **6**; cf. also *Liopoeum*.

Caupolicana steinbachi, *ruficollis*, Argentina, **spp. n.**, *fulvicollis* var. n. *egregia*, FRIESE (229) Zs. Hymenopter. **6.**—*C. albicollis* **sp. n.** Argentina, SMITH (57) Ent. News **17.**

Centris morsei marginata; *C. atripes* = (*foxi* Friese); COCKERELL (72) Ann. Mag. Nat. Hist. ser. 7 **18.**—*C. friesei* **sp. n.** Costa Rica, CRAWFORD (158) Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**—*C. possograndensis* characters. SCHROTTKY (118) Zs. Hymenopter Teschendorf **6.**

†*Ceratina disrupta* **sp. n.** Florissant, COCKERELL (37) Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50.**

Chalicodoma caementaria Meinecke = (*muraria* auctt.), COCKERELL (316) Ann. Mag. Nat. Hist. ser. 7 **17.**

Coelioxys; monograph of Spanish, DUSMET Madrid Bol. Soc. espan. **6** (134-151).—*C. sumatrana* (253), *lipotaxis* (255), **spp. n.**, Sumatra, ENDERLEIN Stettiner ent. Ztg. **67.**—*C. melanopus* **nom. n.** für *nigripes* Friese 1905, *postponendus* **nom. n.** für *simplex* Friese 1904, *recusatus* **nom. n.** für *convergens* Friese 1904, SCHULZ (265) Spolia hymenopt.

Colletes clypeonitens California (39), *petalostemonis*, *solidaginis*, Nebraska, (40), *ochraceus* California, *rufithorax* N. Jersey (42), *pulcher* Texas (43), **spp. n.**, *brachycerus* **nom. n.** for *brevicornis* Perez (44), SWENK Canad. Entomol. **38.**—*C. salicicola geranii* subsp. n., *tucsonensis* **sp. n.** Arizona, COCKERELL (163) Canad. Entomol. **33.**—*C. sieverti* (424), *florissantia*, *polemonii*, (425), Colorado, COCKERELL New York Bull. Amer. Mus. **22, spp. n.**—*C. hesperius*, *crawfordi*, (257), *lacustris* (258), *pleuralis*, *birkmanni*, (259), United States, SWENK Ent. News **17, spp. n.**—*C. andrewsi* (311), *opuntiae* (312), *hydrophilus* (313), *phaceliae* (315), Colorado; COCKERELL Ann. Mag. Nat. Hist. ser. 7 **17, spp. n.**—*C. kincaidii* ♂, COCKERELL (314) T.c.

Crocisa praevalens Asia Minor, KOHL (243) Wien Ann. Hofmus. **20, sp. n.**—*C. fallibilis* Südarabia, KOHL (20) Hym. Südarab., **sp. n.**—*C. frieseana* **nom. n.** for *aira* Fr., COCKERELL (166) Canad. Entomol. **38.**—*C. forbesii* Kirby to *Nomia*, KOHL (11) Hym. Südarab.

Ctenoplectra, *chalybea* and *vagans*, COCKERELL (360) Ann. Mag. Nat. Hist. ser. 7 **17.**

Cyphomelissa pernigra and *Melissa diabolica* doubtfully distinguished, SCHROTTKY (116) Zs. Hymenopter. Teschendorf **6.**

Dasypoda spinigera Asia Minor, KOHL (237) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**—*D. illegalis* **nom. n.**

für *minor* Pérez 1902-3, SCHULZ (242) Spolia hymenopt.

Dialictus costaricensis **sp. n.** Costa Rica, CRAWFORD (163) Philadelphia Trans. Amer. Ent. Soc. **32.**

†*Dianthidium tertiarium* **sp. n.** Florissant, COCKERELL (39) Cambridge Bull. Mus. Harvard Coll. **50.**

Epeoloides septemnotata ♀, FRIESE (172) Zs. Hymenopter. **6.**

Eucera (*Macrocera*) *plumigera* Asia Minor, KOHL (235) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**—*E.* (*Macrocera*) *odontophora* S. Arabia, KOHL (8) Hymen. Südarab., **sp. n.**—*E.* (*Tetralonia*) *herbsti*, *E. nigriceps*, Chile, **spp. n.**, FRIESE (171) Zs. Hymenopter. **6.**

Eulaema nec *Eulema*, COCKERELL (166) Canad. Entomol. **38.**

Euryglossa ichneumonoides, W. Australia, COCKERELL (17) Entomologist London **29, sp. n.**

Exaerete smaragdina, habits, DUCKE (18) Zs. wiss. Insektenbiol. 2.

Exomalopsis snowi Texas, COCKERELL (73) Ann. Mag. Nat. Hist. Ser. 7 **18, sp. n.**—*E. caerulea* Chile (169), *longicornis* Argentina, *herbsti* Chile, (170), **spp. n.**, FRIESE Zs. Hymenopter. **6.**

Gastropsis victoriae S. Australia, COCKERELL (15) Entomologist London **29, sp. n.**

Greeleyella beardsleyi ♂, COCKERELL (164) Canad. Entomol. **38.**

Halictoides schmiedeknechti Asia Minor, KOHL (240) Wien Ann. Hofmus. **20, sp. n.**—*H. harveyi* New Mexico, COCKERELL (223) Ann. Mag. Nat. Hist. Ser. 7 **17, sp. n.**—*H. fallugiae* New Mexico, COCKERELL (359) T.c., **sp. n.**

Halictus; its subgenera (394, 395); *postscutellaris* (395), *H.* (*Corynura*) *anthidioides*, *inflaticeps*, (397), *banarae*, *hemidisdiae*, *polybioides*, (398), *crotonis*, *difficillimus*, (399), Brazil, DUCKE Zs. Hymenopter. **6, spp. n.**—*H.* (*Lucasius*) *holtzi* Creta, SCHULZ (49) Spolia Hym., **sp. n.**—*H. anellus*, *metopias*, (238), *patulus*, *tenuiceps*, Asia Minor, *uncinus* Bussara (?), (239), VACHAL Wien Ann. Hofmus. **20, spp. n.**—*H. atroviridis* **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (325).—*H. warburtoni*, *mitchelli*, *burkei*, Tasmania, (58), *willsi* Australia, *sturti*, *leichardti*, (59), *forresti* (60), Queensland, COCKERELL Entomologist London 1906, **spp. n.**—*H. arapahonum* Colorado, COCKERELL (316) Ann. Mag. Nat. Hist. Ser. 7 **17, sp. n.**—*H. swenki* **sp. n.** Nebraska, CRAWFORD Ent. News **17** (275–276).—*H.* (*Evylæus*) *synthyridis* (427), *H.* (*Chloralictus*) *scrophulariæ* (428), Colorado, COCKERELL New York Bull. Amer. Mus. **22, spp. n.**—*H. fedorensis*, *robertsoni*, (4), *birkmanni*, *lineatulus*, (5), *pecosensis* (6), N. America, CRAWFORD Canad. Entomol. **38, spp. n.**—*H. pruinosiformis* Texas, CRAWFORD (284) T.c., **sp. n.**—*H. vachali* Oregon (300), *cooleyi* Montana (301), *cordleyi* Oregon (302), *atriventris* Brit. Columbia (303), CRAWFORD T.c., **spp. n.**—*H. indistinctus* **sp. n.** Costa Rica, CRAWFORD (163) Philadelphia Trans. Amer. Ent. Soc. **32.**—*H. konowi* **sp. n.** Peru (80), DUCKE Zs. Hymenopter. **7.**

†*H. florissantellus*, *scudderiellus*, Florissant, COCKERELL (43) Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50, spp. n.**

†*Heriades laminarum*, *halictinus*, (40), *bowditchi* (41), Florissant, COCKERELL Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50, spp. n.**

Homachthes gerstäckeri **nom. n.** für *dichrous* F. Sm. 1854, SCHULZ (267) Spolia hymenopt.

Hylaeosoma ashmeadi **sp. n.** Costa Rica, CRAWFORD (161) Philadelphia Trans. Amer. Ent. Soc. **32.**

Koptorthosoma; the acarid chamber, GREEN and OUDEMANS 's Gravenhage Tijdschr. Ent. **49** Versl. (1).

†*Libellulapis* **gen. n.** *Andrenidae*, *antiquorum* **sp. n.** Colorado, COCKERELL (42) Cambridge Bull. Mus. Comp. Zool. Harvard Coll. **50.**

Liopoeum **subgen. n.** (*Camptopoeum*) for *hirsutulum* etc., FRIESE (176) Zs. Hymenopter. **6.**

†*Lithandrena* **gen. n.** *Andrenidae*, *saxorum* **sp. n.** Colorado, COCKERELL (44) Cambridge Bull. Mus. Harvard **50.**

Lithurgus laticeps **sp. n.** Argentina, FRIESE (176) Zs. Hymenopter. **6.**

Macroglossapis cockerelli, *nigravillosa*, Costa Rica, CRAWFORD (160) Philadelphia Pa. Trans. Amer. Ent. Soc. **32, spp. n.**

Megachile naevia Sokótra (15), *M.* (*Chalicodoma*) *heinii* S. Arabia (19), Kohl Hym. Südarab., **spp. n.**—*M. harrisoni* Sumatra, Cockerell (368) Ann. Mag. Nat. Hist. ser. 7 **17**, **sp. n.**—*M. doddiana* (530), *suffusipennis*, *fulvomarginata*, (531), *atrella* (532), *hampsoni* (533), *waterhousei*, *quinquelineata*, (534), *nigrovittata*, *darwiniana*, (535), *cygnorum* (536), *gahani*, *kirbyana*, (537), *tomentella* (538), *rhodura*, *austeni*, (539), Australia, Cockerell Ann. Mag. Nat. Hist. ser. 7 **17**, **spp. n.**—*M. opuntiarum* Colorado, Cockerell (229) T.c., **sp. n.**—*M. giliae* **sp. n.** Colorado (452), *wootoni rohweri* subsp. n. (453), Cockerell New York Bull. Amer. Mus. **22**.

Megaloptella **subg. n.** of *Megalopta* for *ochrias* Vach., Schrottky (312) Zs. Hymenopter. **6**.

Melecta niveipes **sp. n.** Capland (287), Enderlein Stettiner ent. Ztg. **67**.

Melipona beccarii, Theobald Khartoum Rep. Wellcome Res. Lab. **2** (87-88) figs. 43, 44.

Melissa (*Mesocheira*) *duckei* **sp. n.** Pará, Friese (199) Zs. Hymenopter. **6**.

Melissodes baileyi (361), *xanthopteralis*, *megacerata*, (362), Texas, *pimella* Arizona (363), *petulciformis* Texas (364), *helenae* New Mexico (365), *confusiformis* Texas (366), **spp. n.**; *M. agilis semiagilis* subsp. n. (364); *M. agilis subagilis* subsp. n. (367); Cockerell Ann. Mag. Nat. Hist. Ser. 7 **17**.—*M. texana* subsp. n. *flaveriae* (108), *atripes* var. n. *acomanche* (109), Cockerell Philadelphia Trans. Amer. Ent. Soc. **32**.—*M. melandri* (109), *bruesi* (110), *wheeleri* (111), *wickhami* (112), N. America, **spp. n.**, Cockerell Philadelphia Trans. Amer. Ent. Soc. **32**.—*M. hymenoxidis* **sp. n.**, Colorado, Cockerell (443) New York Bull. Amer. Mus. **22**.—*M. illata* (110), *apicata* (111), Maine, Lovell and Cockerell Psyche **13**, **spp. n.**

Melitta americana, Cockerell (5) Psyche **13**.

Melittosmithia **nom. n.** für *Smithia* Vachal, Schulz (244) Spolia hymenopt.

Mesotrichia, *Xylocopa* and *Koptorthosoma*, Cockerell (364) Canad. Entomol. **38**.

Micranthophora **subgen. n.** for Anthophora part, Cockerell (66) Philadelphia Trans. Amer. Ent. Soc. **32**.

Neopasites robertsoni Nebraska, Crawford (283) Canad. Entomol. **38**, **sp. n.**

Nomada coxalis cretensis subsp. n. Schulz (67) Spolia Hym.—*N. solidaginis* host; Frisby (90) Ent. Mag. London **42**; Chitty T.c. (116); Evans T.c. 140.—*N. odontophora* Asia minor, Kohl (245) Wien Ann. Hofmus. **20**, **sp. n.**—*N. packardiella* Colorado (225), *vallesina* New Mexico (226); Cockerell Ann. Mag. Nat. Hist. Ser. 7 **17**, **spp. n.**—*N. pulsatillae* (69), *undulaticornis* (70), Colorado, *flammigera* Washington (71); Cockerell Op. cit. **18**, **sp. n.**—*N. rohweri* (438), *cymbalariae* (439), Colorado, Cockerell New York Bull. Amer. Mus. Nat. Hist. **22**, **spp. n.**—*N. ornithica* Colorado, Cockerell (162) Canad. Entomol. **38**, **sp. n.**—*N. jennei* Washington State, Cockerell (281) T.c., **sp. n.**—*N. emendata* **nom. n.** für *rubra* F. Sm., *sericultorum* **nom. n.** für *superba* Pérez (259), Schulz Spolia hymenopt.

Nomia = (*Pseudapis* Kirby), *N. anomala* (8); *parca* (10), *triodonta* (13), S. Arabia, **spp. n.**; Kohl Hym. Südarab.—*N. melandri* Washington State, Cockerell (279) Canad. Entomol. **38**, **sp. n.**

Odyneropsis holosericea and *Rhatymus armatus* distinguished, Schrottky (115) Zs. Hymenopter. Teschendorf **6**.

Oediscelis herbsti (227), *albida* (228), *Oe.* (*Pseudiscellis* **subg. n.**) *rostrata* (228), Chile, Friese Zs. Hymenopter. **6**, **spp. n.**

Oreopasites **gen. n.** *Phileremine*, *scituli* **sp. n.** Colorado, Cockerell (442) New York Bull. Amer. Mus. **22**.

Osmia duckeana (241), *grossepunctata*, *pentheri*, (242), Asia minor, Kohl Wien Ann. Hofmus. **20**, **spp n.**—*O. megaceps* Sokótra, Kohl (14) Hym. Südarab., **sp. n.**—*O. capensis*, **sp. n.** Cape Town, Cameron Trans. S. Afric. Phil. Soc. **16** (323).—*O. hesparella*, *gaillardiae*, (227), *wilmattae* (228), *coloradella* (229), Colorado, **spp. n.**; *O. lignaria lignariella* subsp. n. (227); Cockerell Ann. Mag. Nat. Hist. ser. 7 **17**.—*O. cyaneonitens* (448), *wheeleri*, *hypochrysea*, (449), *florissanticola*, *albolateralis*, (450), *pentstemonis*, *subtrevoris*, *giliarum*, (451), Colorado, Cockerell New York Bull. Amer. Mus. **22**, **spp. n.**—*O. hypocrita* Colorado, Cockerell (160) Canad. Entomol. **38**, **sp. n.**

Oxynedys beroni and *Hopliphora velutina* distinguished, SCHROTTKY (116) Zs. Hymenopter. Teschendorf **6**.

Panurginus cressoniellus calochorti subsp. n., COCKERELL (222) Ann. Mag. Nat. Hist. ser. 7 **17.**—*P. (Ephimethea) herbsti* Chile, FRIESE (172) Zs. Hymenopter. **6, sp. n.**

Paracolletes hobartensis Tasmania (23), *worsfoldi* (24), *rudis*, *perfasciatus*, (25), *subfuscus* (26), *thornleighensis* (27), Australia; COCKERELL Ann. Mag. Nat. Hist. 7 **17, spp. n.**

Parammobates **gen. n.**, *brasiliensis* **sp. n.**, FRIESE Zs. Hymenopter. **6** (118).

Paraugochloropsis **subg. n.** cf. *Augochloropsis.*

Perdita pratti (125), *coreopsidis* (126), *bishoppi* (148), with var. (149), *cambarella* (150), Texas; COCKERELL Entomologist 1906, **spp. n.**—*P. jonesi* (177), *dallasiana* (178), **spp. n.**, Texas; *xanthisme sideranthi* subsp. n. (178); COCKERELL, T.c.—*P. tortifoliae*, *florissantella*, (440), *wilmattae* (441), Colorado, COCKERELL New York Bull. Amer. Mus. **22, spp. n.**—*P. cockerelli* Nebraska, CRAWFORD (282) Canada Ent. **38, sp. n.**

Podalirius subaequus Asia Minor, KOHL (234) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**—*P. binghami* **nom. n.** für *Anthophora crocea* Bingh., *khasianus* **nom. n.** für *Habropoda fulvipes* Cam., *malenominatus* **nom. n.** für *capensis* Friese, (253), SCHULZ Spolia hymenopt.

Prosopis fedtschenkoi nom. n. for *frontalis* Mor., *pereziana* nom. n. for *morawitzi* Per., COCKERELL (166) Canad. Entomol. **38.**—*P. diplonyma* **nom. n.** für *cognata* Pérez (237), *pereziana* **nom. n.** für *morawitzi* Pérez (238), SCHULZ Spolia hymenopt.—*P. robertiana* **n. sp.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (325).—*P. universitatis* Colorado, COCKERELL (225) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**—*P. tuertonis* **sp. n.** Florissant, COCKERELL (423) New York Bull. Amer. Mus. **22.**—*P. petroselini* (8), *polybioides* (9), *guaranitica* (10), *paulistana* (12), *opaca* (14), *rivalis* (15), *tricolor* (18), *itapuensis* (19), *paraguayensis* (20), *cockerelli* (21), *tristis*, *hydrophila*, (24), *xanthocephala* (25), *iridipennis* (26), *arenaria* (27), *longicornis* (28), Paraguay, SCHROTTKY An. Cient. Paraguay **1** No. 6, **spp. n.** [Though most of these are not so indicated.]

Prosopisteron **gen. n.** near *Prosopis*, *serotinellum* **sp. n.** Queensland; COCKERELL (17) Entomologist London **29.**

Protandrena meridionalis Paraguay, SCHROTTKY (314) Zs. Hymenopter. **6, sp. n.**

Psaenythia collaris Paraguay, SCHROTTKY (315) T.c., **sp. n.**

Pseudaugochloropsis **subg. n.** cf. *Augochloropsis.*

Pseudiscelis **subg. n.** cf. *Oediscelis.*

Ptiloglossa; nesting habits, SCHROTTKY Zs. wiss. Insektenbiol. **2** (323–325). *P. ochracea*, *chalybaea*, Argentina, KONOW (221) Zs. Hymenopter. **6, spp. n.**

Rhathymus acutiventris Chiriqui, *R. versicolor* Guyaquil, (120), *fulvus* Brazil (121), **spp. n.**, FRIESE Zs. Hymenopter. **6.**

Sphecodes hesperellus pulsatillae subsp. n.; COCKERELL (75) Ann. Mag. Nat. Hist. ser. 7 **18.**—*S. cameroni* **nom. n.** für *iridipennis* Cam., *problematicus* **nom. n.** für *gracilior* Pérez, SCHULZ (235) Spolia hymenopt.—*S. bruchi* (305), *andinus*, Argentina, *capriciosus* (306), *paraguayensis*, Paraguay, *patagonicus* (307), *melanopus*, Patagonia, *argentinus* Catamarca, (308), *variabilis* Paraguay (309), *mutillaeformis* Argentina (310), SCHROTTKY Zs. Hymenopter. **6, spp. n.**—*S. eustictus* Colorado, COCKERELL (163) Canad. Entomol. **38, sp. n.**—*S. columbiae* Washington State, COCKERELL (280) T.c., **sp. n.**—*S. sulcatulus* Colorado, COCKERELL (426) New York Bull. Amer. Mus. **22, sp. n.**

Tetralonia fedoris, *birkmanniella*, Texas, (93), *annae* (114) N. Mexico, **spp. n.**; *edwardsii vagabunda* subsp. n. (95), COCKERELL Philadelphia Trans. Amer. Ent. Soc. **32.**—*T. araucana* **nom. n.**, für *nigripes* Friese, SCHULZ (252) Spolia hymenopt. — *T. yakimensis*, *douglasiana*, Washington State, COCKERELL (278) Canad. Entomol. **38, spp. n.**

Thygater Holmb. is prior to *Macroglossapis*, COCKERELL (74) Ann. Mag. Nat. Hist. ser. 7 **18.**

Titusella **gen. n.** *Heriadinae* (445), *pronitens* **sp. n.** Colorado (446), COCKERELL New York Bull. Amer. Mus. **22.**

Trigona: supposed carnivorous habits, DUCKE (18) Zs. wiss. Insektenbiol. **2.**

Xenoglossa brevicornis ♀, COCKERELL (367) Ann. Mag. Nat. Hist. ser. 7 **17.**—*X. pruinosa limitaris* subsp. n., COCKERELL (73) Op. cit. **18.**

Xenoglossodes neotomae **sp. n.** New Mexico, COCKERELL (314) Philadelphia Trans. Amer. Ent. Soc. **32.**

Xylocopa caffrariae enderleini **n. nom.**, SCHULZ (251) Spolia hymenopt.—*X. tarsata wellmani* var. n., COCKERELL (364) Canad. Entomol. **38.**—*X. violacea*, alimentary canal; BORDAS (233–250) Rennes Bul. Soc. Sci. Med. **14.**

The following *Apidae* have been previously recorded in the Zoological Record.

(*Allodape interrupta, bouyssoni, letis, nigricollis, rolini, pulla, vitrea*, spp. n., *interrupta collaris* var. n., Congo, VACHAL, Paris Ann. Soc. ent., **72,** 1903.)

(*Ancyloscelis baeri, filitarsis, turmalis, girardi, humilis, analis*; VACHAL, Rev. ent. Caen (9-26), **23,** 1904, spp. n.)

(*Anthidium bouyssoni, severini, benguelensis*, Congo, VACHAL, Paris Ann. Soc. ent., **72,** 1903, spp. n.—*A. bicoloratum* Sm. *tucumanum* var. n., VACHAL, Rev. ent. Caen, **23,** 1904.)

(*Anthophora annos, aerizusa*, Congo, VACHAL, Paris Ann. Soc. ent., **72,** 1903, spp. n.—*Anthophora hirpex*, VACHAL, Rev. ent. Caen, (9–26), **23,** 1904, sp. n.—*A. corvicolor*, California, COCKERELL, Ent. News, **16,** 1905, (81–13), sp. n.

(*Bombomelecta johnsoni*, Colorado, COCKERELL, Ent. News, **16,** 1905, (270–272), sp. n.)

(*Bombus baeri, tucumanus*? VACHAL, Rev. ent. Caen, (9–26), **23,** 1904, spp. n. —*B. rufosuffusus*, Colorado, COCKERELL, **16,** 1905, (270–272), sp. n.)

(*Caupolicana mystica* Schrottky *baeriana* var n., VACHAL, Rev. ent. Caen, **23,** 1904.)

(*Centris autrani*, VACHAL, Rev. ent. Caen, (9–26), **23,** 1904, sp. n.)

(*Ceratina bouyssoni, aercola, ericia, mocrenhouti, lineola, coesia*, Congo, VACHAL, Paris, Ann. Soc. ent., **72,** 1903, spp. n.)

(*Chilicola* (?) *orientalis*, VACHAL, Rev. ent., Caen, **23,** 1904, sp. n.)

(*Cœlioxys Bouyssoni, nigripes, lanuginea*, Congo, VACHAL, Paris, Ann. Soc. ent., **72,** 1903, spp. n.—*C. strigata, miranda*, VACHAL, Rev. ent., Caen, (9–26), **23,** 1904, spp. n.)

(*Colletes catulus, virgatus* VACHAL, T.c. spp. n.)

(*Crocisa scotaspis, pretexta, axillaris, calceata, hyalinata, melipes, delumbata, arcuata, tschoffeni, bouyssoni, calcarata, interrupta*, VACHAL, Paris, Ann. Soc. ent., **72,** 1903, spp. n.)

(*Diphaglossa* (?) *gaullei*, VACHAL, Rev. ent., Caen, **23,** 1904, sp. n.)

(*Emphoropsis murihirta*, California. COCKERELL, Ent. News, **16,** 1905, (81–83), sp. n.)

(*Epeolus* (?) *baeri*, VACHAL, Rev. ent., Caen, **23,** 1904, sp. n.)

(*Eriades bouyssoni*, Congo, VACHAL, Paris, Ann. Soc. ent., **72,** 1903, sp. n.)

(*Halictus hotoni, duponti, scobis, crocinus, undulus, capnopus, surdus, australis, atricrus, barbatus, bouyssoni, hoedillus, alluaudi, haasi, evanidus, mixtiscapis*, Congo, VACHAL, Paris, Ann. Soc. ent., **72,** 1903, spp. n.—*H. nigromarginatus cyanomigrans, terrestris coeruleras, terrestris eufisetis, caligans dilestipes*, varr. n., VACHAL, Misc. ent., Narbonne, **11,** 1903.—*H. pississi* ♀, *coloradinus* ♀, nov. nom. (pro *coloradensis* Crawford 1901), *kohliellus* ♀, *chiriquiensis* ♀, *leunculus* ♀ ♂, *chalcis* ♀, *divaricatus* ♀, *podager* ♀ ♂, *secratus* ♀, *gaullei* ♀, *schulthessi* ♀, *obnuptus* ♀ ♂, *palumbes* ♀, *columbus* ♀ ♂, *macellus* ♀, *dolator* ♀ ♂, *coelator* ♀ ♂, *purpurissimus* ♀ ♂, *scitulus* ♀, *mitratus* ♀ *cuprellus* ♀, *andensis* ♂ ♀, *brachycerus* ♂, *chastops*, ♂, *custiceps* ♂, *iodurus* ♂, *canosus* ♂, *cicindulus* ♂, *rectangulus* ♂, *scitulus* ♂, *afrinodis* ♂, *dilutior* ♂, *pœan* ♀, *fuscicrinis* ♀, *nitidicollis* ♀, *multiplex* ♀ ♂, *sympleres* ♀ ♂, *radians* ♀ ♂, *quadrans* ♀, *taurifrons* ♀, *nigriscopis* ♀ ♂, *lividorsis* ♀ ♂, *pendens* ♀, *pateus* ♀, *aurifluus* ♀, *aeritalis* ♀ ♂, *anthrax* ♀ ♂, *brethesi* ♀ ♂, *apsidialis* ♀, *varians* ♀, *pentheres* ♀, *cyclis* ♀, *rotalis* ♀, *imperialis* ♀ ♂, *sparsilis* ♀ ♂, *discors* ♀ ♂, *angularis* ♀ ♂, *drepanis* ♀ ♂, *notialis* ♂, *clachion* ♂, *bracteatis* ♂, *cherazon* ♀, *chaperi* ♀, *fornix* ♀, *sodalis*

♀, *argoïdes* ♂, *ochrias* ♂, *aethautis* ♂, *cphelix* ♀, *phacodes* ♀ ♂, *trinax* ♀, *grammodes* ♀, *rhytis* ♀, *phoenicis* ♀, *pyrrhothrix* ♀, *fugax* ♀, *squamans* ♀, *crossotos* ♀, *cicur* ♀, *spizion* ♀ ♂, *lampter* ♀, *losipion* ♀ ♂, *nean* ♀ ♂, *hypixis* ♀ ♂, *chlerogas* ♀, *chrysops* ♀, *autrani* ♀, *dittachos* ♀, *nossax* ♀, *norops* ♀, *compar* ♀, *agraptes* ♂, *lopodion*, nov. nom. = (*Cacosoma agile* Sm.), *azyx*, *chlorocion*, *trachycer* ♂, *tradux* ♀, *leontodes* ♂, *aspricordis* ♂, *sordicutis* ♀, *cupriventris* ♀, *clachion* ♀, *praepotens* ♀, *crawfordi* ♀ ♂, *inermis* ♀ ♂, *cyanonigrans* ♀, *fulgur*, *aequilarex* ♀ ♂, *joannisi* ♀ ♂, *mesomelas* ♀, *fugax* ♀, *alaris* ♀, *vallensis* ♀, *tonsilis* ♀, *compar* ♀, *chaetops* ♂, *prothrysteres* ♂, *chloris* ♂, *lepidodes* ♀, *nictans* ♀, *nycteris* ♀, *pleurites* ♀, *lignys* ♀, *icosi* ♀, *triacontas* ♀, *marginans* ♀, *stilborhin* ♀ ♂, *riverai* ♀ ♂, *rutilans* ♀, *sequax* ♀, *pycnon* ♀, *notoplex* ♀, *diploon* ♀, *cercops* ♀ ♂, *cyancon* ♀, *codion* ♀ ♂, *caligans* ♀ ♂, *pattoni* nov. nom. (= *Aug. humeralis* Patton), *hemichrysis* ♀ ♂, *terrestris* ♀, *montensis* ♀, *cubiceps* ♀ ♂, *rudis* ♀ ♂, *scabrifrons* ♀ ♂, *cholas* ♀ ♂, *cirrhopus* ♀ ♂, *illustris* ♀ ♂, *chorisis* ♀ ♂, *notophos* ♀ ♂, *dirhipis* ♀ ♂, *toralis* ♀ ♂, *pullatus* ♂ ♀, *haemorrhous*, VACHAL, Misc. ent. Narbonne, **11**, 1903, spp. n.—*H. baeri*, *alticola*, VACHAL, Rev. ent. Caen, **23**, 1904, spp. n.)

(*Lithurgus pullatus*, Congo, VACHAL, Paris, Ann. Soc. ent., **72**, 1903, sp. n.)

(*Lonchopria*, gen. n., *herbsti*, sp. n., (204), VACHAL, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Macrocera baeri*, *linearis*, *brethesi*, *buccosa*, *curtata*, *discobola*, *arrhenica*, *dama*, VACHAL, Rev. ent. Caen, (9–26), **23**, 1904, spp. n.)

(*Manuelia*, gen. n., VACHAL, Paris, Bul. soc. ent., **1905**.)

(*Megachile* (*Chalicodoma*) *lucidifrons*, FERTON, Paris, Ann. soc. ent., **74**., sp. n.—*M. maritanda*, *loosi*, *brochidens*, *randa*, *muscaria*, *pallorea*, *semierma*, *ancillula*, *xanthoptera*, *strictipalmis*, *altera*, *utra*, *sosia*, *hopititis*, *meles*, *hecate*, *bouyssoni*, *stuppea*, *biseta*, *trichora*, *exesa*, *devexa*, *duponti*, Congo, VACHAL, Paris, Ann. soc. ent., **72**, 1903, spp. n.—*M. arctos*, *patagonica*, *vetula*, *rufiplantis*, *baeri*, *laevinasis*, *eburnipes*, *schrottkyi*, *nubila*, VACHAL, Rev. ent. Caen, **23**, 1904, spp. n.—*Megachile augustini*, New Mexico and California, COCKERELL, Ent. News, **16**, 1905, (81–83), sp. n.)

(*Melipona baeri*, VACHAL, Rev. ent. Caen, (9-26), **23**, 1904.—*M.* (*Tr.*) *cearina*, (*Tr.*) *ogonensis*, (*Trig.*) *denoiti*, (*Trig.*) *bouyssoni*, Congo, VACHAL, Paris, Ann. soc. ent., **72**, 1903, spp. n.

(*Nomia ruficoxis*, *pristis*, *bouyssoni*, *granulata*, *atrinervis*, *flavicarpis*, *tersa*, *martini*, *melanoprocta*, *ampliata*, *latifrons*, *ligata*, *blandula*, *crassula*, *andrenoides*, *cirrita*, *collaris*, *thomae*, *lactinea*, Congo, VACHAL, Paris, Ann. Soc. ent., **72**, 1903, spp. n.)

(*Omachthes gabonensis*, Congo, VACHAL, T.c., sp. n.)

(*Osmia erythrogastra*, FERTON, Paris, Ann. soc. ent., **74**, sp. n.)

(*Sphecodes guineensis*, Congo, VACHAL, Paris, Ann. Soc. ent., **72**, 1903, sp. n.—*S. lunaris*, VACHAL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Synhalonia astragalina*, Colorado, Colorado, Ent. News, **16**, 1905, (270–272), n. sp.)

(*Tetrapedia tucumana*, VACHAL, Rev. ent. Caen, *gaullei*, **23**, 1904, spp. n.)

DIPLOPTERA = *Vespidae*, *Eumenidae* & *Masaridae*.

Supplement to the social wasps of Brazil, with plates of nests, DUCKE Bul. Mus. Goeldi **4** (652–698).

Einiger ausländischer Wespennester, RUDOW Ent. Zs. Guben **20** (185–187, 201–203).

Alastor pentheri Asia minor, KOHL (231) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**—*A. festae* Darien, ZAVATTARI (2) Torino Boll. Mus. **21** No. 523, **sp. n.**—*A. clypeatus* (372), *nitidus* (373), Argentina, BRÈTHES An. Mus. Buenos Aires **6, spp. n.**

Ancistrocerus nearcticus Pensylvania, *parvispinosus* New Mexico, (332), *foxcanus* Pennsylvania, *quebecencis* Canada, (333), CAMERON Philadelphia Trans. Amer. Ent. Soc. **32, spp. n.**

Apoica and *Synoeca*, monograph; —*A. pallida* Ol. var. n. *thoracica* (340); DU BUYSSON Paris Ann. Soc. ent. **75** (333–362) pl. xi–xvii.

Belonogaster kohli **sp. n.** Fernando Po, SCHULZ (322) Spolia hymenopt.—

B. vasseae Zambèze (189), *abyssinicus* Abyssinie (190), Du Buysson Paris Bull. Soc. ent. **1906, spp. n.**

Caba borellii Argentina, Zavattari Torino Boll. Mus. **21** No. 523 (1–4), **sp. n.**

Celonites montanus **sp. n.** Turkestan, Mocsáry (198) Ann. Hist.-Nat. Mus. Nat. Hung **4.**

Ceramius rufomaculatus **sp. n.** Cape Town; Cameron Trans. S. Afric. Phil. Soc. **16** (325).

Chartergus panamensis Colon, Zavattari (4) Torino Boll. Mus. **21** No. 529, **sp. n.**—*C. amazonicus* (380), *flavofasciatus* (381), Amazons, Cameron Zs. Hymenopter. 6, **spp. n.**

Clypearia angustior Minas Geraes, Ducke (6) Rev. ent. Caen **25, sp. n.**

Coelonites jousseaumei Obock (104), *rothschildi* E. Africa (105), **spp. n.**, *C. fischeri* synonymy (103); Du Buysson Rev. Ent. Caen **25.**

Discoelius caridei (22), *argentinus* (23), *lynchii* (25), *chacöensis* (27), Argentina, Brèthes An. Mus. Buenos Aires **6, spp. n.**—*D. holmbergi* Argentina (316), *anisitsii* Paraguay (317), *pampicola* (321), *spegazzinii* (322), *albonotatus* (323), *foxii* (324), Argentina; Brèthes T.c., **spp. n.**

Eumènes tricolor (64), *spilonotus* (65), **spp. n.**, New Guinea, Cameron Nova Guinea **5** Livr. 1.—*E. centralis* **sp. n.** Panama, Cameron Zs. Hymenopter. **6** (128).—*E. henricus* Panama, Cameron (151) Entomologist 1906, **sp. n.**—*E. bonariensis* (29), *spegazzinii* (31), Argentina, Brèthes An. Mus. Buenos Aires **6, spp. n.**—*E. flavescens* (328), *paraguayensis*, *unicincta*, (331), *laevigata* (332), *anisitsii* (333), *minuscula* (335), Paraguay, Brèthes An. Mus. Buenos Aires **6, spp. n.**—*E. caniculata*, nesting habits, Bruch Revist. Mus. La Plata **11** (223).—*E. pomiformis*, natural history, Laloy (153, 154) Naturaliste 1906.—*E. conica* (Fabr.), variation, (349), Paiva Calcutta J. As. Soc. Beng. **2.**—*E. critica* **nom. n.** für *gracilis* Fox 1899, (214); *moseri* Fernando Po. **sp. n.** (315), Schulz Spolia hymenopt.

Hypochartergus **gen. n.**, *carinatus* **sp. n.** Rio Cianati, Zavattari (7) Torino Boll. Mus. **21** No. 529.

Icaria irrequieta S. Arabia, Kohl (54) Hym. Südarab., **sp. n.**—*I. aethiopica* Dirouhoria, *brazzai* Congo, du Buysson (110) Rev. Ent. Caen **25, spp. n.**—*I. zonata* (61), *spilostoma* (62), **spp. n.** New Guinea, Cameron Nova Guinea **5** Livr. 1.—*I. pruinosa* (228), *spilocephala* (230), New Guinea, Cameron 's Gravenhage Tijdschr. Ent. **49, spp. n.**

Ischnogaster clypealis **sp. n.** Borneo, Cameron Singapore J. Straits R. As. Soc. No. 46 (122).—*I. malayensis* New Guinea, Cameron (231) 's Gravenhage Tijdschr. Ent. **49, sp. n.**

Jugurtia neotropica **sp. n.** Paraguay, Mocsáry (197) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Labus fraterculus, *socotrae*, (58), Sokótra, *gracilis* Sinai (59), *nigritus* (60), *finitimus* (61), *astutus* (62), *transiens* (63), S. Africa, *L.*? *macrostylus* Sierra Leone (64), Kohl Hym. Südarab., **spp. n.**—*L. rothschildianus* E. Africa (106), *maindroni* Obock (107), du Buysson Rev. Ent. Caen **25, spp. n.**

Leontiniella argentina, sexes, Brèthes (36) An. Mus. Buenos Aires **6.**

Megacanthopus goeldii Rio Negro, Ducke (690) Bol. Mus. Goeldi **4, sp. n.**

Metazethoides **nom. n.** für *Zethoides* Cam. 1904, Schulz (213) Spolia hymenopt.

Monacanthocnemis buyssoni Rio de Janeiro, Ducke (9) Rev. Ent. Caen **25, sp. n.**

Monobia caridei Argentina (338), *anisitsii* Paraguay (340), Brèthes An. Mus. Buenos Aires **6, spp. n.**

Montezumia argentina (33), *andina* (34), Argentina, Brèthes T.c., **spp. n.**—*M. holmbergii* (336), *pedunculata* (337), Argentina, Brèthes, T.c., **spp. n.**—*M. macrocephala* subsp. n. *chilensis*, Schulz (216) Spolia hymenopt.

Nesodynerus paractias Molokai, Perkins (73) Honolulu Proc. Hawai. ent. Soc. **1, sp. n.**

Nortonia moricei Nile (65), *braunsii* S. Africa (66), *N.* (?) *polydora* (67), *N.* (?) *morula* (68), West Africa, *soror* S. Africa, *fragosa* W. Africa, (69), *mimica* (70), *pilifrons* (71), Brazil, Kohl Hym. Südarab., **spp. n.**

Odynerus (*Leptochilus*) *melanchrous* Abd el Kûri (86), *rubellulus* Sémha (87), *O.* (*Leionotus*) *ignaruris* S. Arabia (88), *socotrae* Sokótra (89), KOHL Hym. Südarab., **spp. n.**—*O.* (*Ancistrocerus*) *atlanticus* Cape Verde islands, CAMERON (13) Entomologist London **29, sp. n.**, but T.c. (83) is *atlanticus* Kirby.—*O. defractus* (108), *neuvillei* (109), E. Africa, DU BUYSSON Rev. Ent. Caen **25, spp. n.**—*O. sariensis* **sp. n.** New Guinea, CAMERON Nova Guinea **5** Livr. 1 (63).—*O. meraukensis* (224), *O.* (*Leionotus*) *fulvopruinosus* (225), *O.* (*Symmorphus*) *meijereanus* (226), New Guinea, CAMERON 's Gravenhage Tijdschr. Ent. **49, spp. n.**—*O.* (*Leionotus*) *bisulcatus* Australia, CAMERON (78) Entomologist 1906, **sp. n.**—*O. mathewi* Vancouver's island, CAMERON (268) Entomologist 1906, **sp. n.**—*O. delodontus* (196), *egregius*, *suboltecus*, (197), *leionotus*, *excentralis*, (198), *microstictus*, *paenevagus*, (199), *percampanulatus* (200), Kansas, **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32.**—*O.* (*Ancistrocerus*) *waldonii* **sp. n.** Connecticut, VIERECK (304) Ent. News **17.**—*O. harringtoni* (327), *ruficaudis*, *pulchrinervis*, (328), *aequalis* (329), *santae-feae* (330), *pictiventris* (331), New Mexico, CAMERON Philadephia Trans. Amer. Ent. Soc. **32, spp. n.**—*O. packardi* **sp. n.** Mexico, CAMERON (335) Philadelphia Trans. Amer. Ent. Soc. **32.**—*O. pseudochromoides*, *paranaias*, (71), *tempe* (72), *monas*, *aprepes*, (73), Hawaiian islds., PERKINS Honolulu Proc. Hawai. ent. Soc. **1 spp. n.**—*O. venustus* (36), *saltensis* (39), Argentina, BRÈTHES An. Mus. Buenos Aires **6, spp. n.**—*O.* (*Ancistrocerus*) *erythraeus* Argentina (346), *rufus* Paraguay, *fabieni* Argentina, (347), *flavomarginatus* Brazil (349), *distinguendus* (350), *foxii* (351), *caridei* (352), *O.* (*Stenancistrocerus*) *foveolatus* (354), *abditus* (355), *mendozanus* (356), Argentina, *dollatorrei* (358), *assumptionis* (359), Paraguay, *platensis* Buenos Aires (360), *concavus* (363), *holmbergii* (364), Argentina, *O.* (*Stenodynerus*) *anisitsii* (366) Paraguay, *gemellus* Argentina (368), *bonariensis* Buenos Aires (369); BRÈTHES T.c., **spp. n.**—*O. neonymus* **nom. n.** für *cylindricus* Pérez (218), *recoctus* **nom. n.** für *saussurei* Fox, *vicarius* **nom. n.** für *simplicipes* Cam., *interdictus* **nom. n.** für *rubripes* Pérez (219), *cameroni* **nom. n.** für *tegularis* Cam. (220), SCHULZ Spolia hymenopt.—*O. reniformis* nesting-habits, MORICE (216–220) Ent. Mag. London **42.**—†*O. palaeophilus* (56), *praesepultus* (57), Florissant, **spp. n.**, COCKERELL Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50.**

Pachodynerus validus Argentina, BRÈTHES (343) Ann. Mus. Buenos Aires **6, sp. n.**

†*Palaeovespa* **gen. n.** *Vespidae*, *florrissantia* (54), *scudderi*, *gillettei*, (55), Florissant, **spp. n.**, COCKERELL Cambridge Bull. Mus. Harvard **50.**

Parachartergus fasciipennis Amazons, DUCKE (665) Bol. Mus. Goeldi **4, sp. n.**

Plagiolabra Sch.-R. = (*Leontiniella* Br.), BRÈTHES (341) An. Mus. Buenos Aires **6.**—*P. andina* Argentina, id., l.c., **sp. n.**

Polistes; ♂ characters, S. American, BRÈTHES (313–315) T.c. — *P. haugi* Gabon, DU BUYSSON (189) Paris Bull. Soc. ent. **1906, sp. n.**—*P. malayanus* (60), *albobalteatus* (61), **spp. n.**, New Guinea, CAMERON Nova Guinea **5** Livr. 1 (41–65).—*P. exclamans* **sp. n.** Kansas, VIERECK (201) Philadelphia Trans. Amer. ent. Soc. **32.**—*P. cavapyta* Sauss var. n. *thoracica*, Mendoza Argentina, BUYSSON Kjöbenhavn ent. Medd. **3.**—*P. deuteroleucus* Barbacena, DUCKE (10) Rev. ent. Caen **25, sp. n.**—*P. tullgreni* **nom. n.** für *inornatus* Tullgr., SCHULZ (229) Spolia hymenopt.

Polistratus **gen. n.**, *cariniscutis* **sp. n.** New Guinea, allied to *Polistes* and *Polistella*, CAMERON Nova Guinea **5** Livr. 1. (59).

Polybia cameranii (10), *litoralis* (12), *aequatorialis* (15), Punta de Sabana, *procellora* (14), *festae* (17), San José, ZAVATTARI Torino Boll. Mus. **21** No, 523, **spp. n.**—*P. panamaensis* Panama (382), *traili* Amazons (383), *acutiscutis* Brit. Honduras, (385), CAMERON Zs. Hymenopter. **6, spp. n.**—*P. tapajosensis* (151), *melanocephala*, *sericeibalteata*, S. America, (152); CAMERON Entomologist 1906, **spp. n.**—*P. myrmecophila* Pará, DUCKE (684) Bol. Mus. Goeldi **4, sp. n.**—*P. minarum* Barbacena, *sampaioi* Parana, DUCKE (8) Rev. ent. Caen **25, spp. n.**—*P. binominata* **nom. n.** für *minutissima* Sauss., SCHULZ (233) Spolia hymenopt.—*P. myrmeco-*

phila habits, swarming, DUCKE (18, 19) Zs. wiss. Insektenbiol. **2.**

Pterocheilus eurystomus Sokótra (89), *mongolicus* Mongolia (90), *iterabilis* Egypt (91), KOHL Hym. Südarab., **spp. n.**

Rhopalosoma guianense Guiana (221), *bahianum* Bahia (222), **spp. n.**, SCHULZ Spolia hymenopt.

Rhynchium (*Auterhynchium*) *forticulum* (82), *simonyi* (83), *kelidopterum* (84), S. Arabia, KOHL Hym. Südarab., **spp. n.**

Symmorphus cogitans Canada (325), *trisulcatus* New Mexico, (326) CAMERON Philadelphia Trans. Amer. Ent. Soc. **32, spp. n.**

Synagris negusi E. Africa, DU BUYSSON (107) Rev. Ent. Caen **25, sp. n.**—*S. basalis* Africa centralis (198), *ornata* Africa orientalis (199), **spp. n.**, MOCSÁRY Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Synoeca and *Apoica*, monograph (333–362) pls. xi–xvii; *S. irina* Sp. var. n, *splendens* (358); DU BUYSSON Paris Ann. soc. ent. **75.**

Vespa saussurei nom. n. for *japonica* Sauss., SCHULZ (231) Spolia hym.—*V. orientalis* and *crabro*, distinguished, KOHL (230) pl. x Wien Ann. Nat. Hist. Hofmus. **20.**—*V. diabolica*, nest, JOHNSON Ent. News **17** (139) with text fig.

Zethus missionus (326), *holmbergii* (327), Argentina, BRÈTHES An. Mus. Buenos Aires **6, spp. n.** — *Z. silvaegrandis* **nom. n.** für *bicolor* Fox, SCHULZ (213) Spolia hymenopt.

The following Vespidae have been recorded previously in the Zoological Record.

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(*Ischnogaster serrei*, *serratulus*, DU BUYSSON, T.c. spp. n.)

(*Masaris alfkeni*, DU BUYSSON, Paris, Bul. soc. ent., **1904,** (144–146), sp. n.)

(*Megacanthopus undulatus*, DUCKE, Rev. ent. Caen, **24,** 1905, sp. n.)

(*Metapolybia* gen. n., DUCKE, T.c. type *M. pediculata* Sauss.)

(*Monacanthocnemis* gen. n., DUCKE, T.c. *M. filiformis* Sauss.)

(*N. scutellata* Spinola var. *gribodoi* var. nov. DU BUYSSON, Paris, Ann. soc. ent., **74.**—*N. buyssoni*, DUCKE, Rev. ent. Caen, **24,** 1905, sp. n.)

(*Odynerus wagneri*, DU BUYSSON, Paris, Bul. soc. ent., **1905,** sp. n.)

Parachartergus amazonensis, DUCKE, *difficilis* Rev. ent. Caen, **24,** 1905, spp. n.—*P. wagneri*, DU BUYSSON, Paris, Bul. soc. ent., **1904,** sp. n.)

(*Polistes aquilinus*, *tenellus*, *bituberculatus*, *albocalcaratus*, DU BUYSSON, Paris, Bul. soc. ent., **1905,** spp. n.—*P. erythrogaster*, *rhodostoma*, DUCKE, Rev. ent. Caen, **24,** 1905, spp. n.)

(*Polybia occidentalis digneata* and *nigratella*, varr. n., DU BUYSSON, T.c. (9–11).—*P. decorata*, *ornata*, *ruficornis*, *flavipennis*, DUCKE, Rev. ent., Caen, **24,** 1905, spp. n.)

(*Protopolybia* gen. n., DUCKE, T.c., type *Chartergus nitidus* Ducke.)

(*Pseudochartergus* gen. n., DUCKE, T.c., = *Charterginus* ex parte.)

(*Synoeceoïdes* gen. n., *depressa* sp. n., DUCKE, T.c.)

(*Vespa eulemoides*, *moesaryana*, *walkeri*, *barthelemyi*, *binghami*, *variabilis*, DU BUYSSON, Paris, Ann. soc. ent., **73,** 1904, spp. n.—*V. cincta picea*, *bellicosa semperi*, *velutina ardens*, *auroria citriventris*, *auroria nigrithorax*, *orbata aurulenta*, *rufa intermedia*, *rufa americana*, *norwegica adulterina*, *sylvestris sumptuosa*, *germanica stizoides*, *crabro biroi*, *crabro tartarea*, *crabro tenebrosa*, *crabro pulchra*, *crabro soror*, varr. n., DU BUYSSON, Paris, Ann. soc. ent., **73,** 1904.)

FOSSORIA. (*Sphegidae.*)

Notes on the habits of various *Pompilids* and *Sphegids*, ADLERZ Stockholm Vet. Ak. Handl. **42** No. 1 (1–48).

Agenia capensis Willowmore, BRAUNS Wien Verh. Zool.-bot. Ges. 1906, **sp. n.**

Alyson kathovi **sp. n.**, *A. fuscatus* var. n. *jaroslavensis* Podolien und Jaroslavl, KOKUJEV St. Peterburg Hor. Soc. Ent. Ross. **37** (209–219).

Ammophila (*Psammophila*) *ariasi* (187), *errabunda* (190), *homogenea* (191) Spain, *mauritanica* Tangier (189), GARCIA Madrid Bol. Soc. espan. **6**, **spp. n.**

†*Ammophila antiquella* **sp. n.** Florissant, COCKERELL (49) Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50**.

Ancistromma sericifrons (247), *bruneri* (248), Nebraska, SMITH Ent. News **17**, **spp. n.**—*A. vegetoides*, *zerbeii*, (208), *tachysphecoides* (209), *paenerugosa* (210), Kansas, **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32**.

Anoplius (*Pompilinus*) *snowi* **sp. n.** Kansas, VIERECK (202) Philadelphia T.c.

Aporus forrugineipes **sp. n.** Kansas, VIERECK (203) T.c.

Bembex rostrata, Beinbildungen u. Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27** (1 + 1–192 + 1) mit 64 Abb. i. T. u. 4 Taf.

Blepharipus columbiae Selkirk Mts., BRADLEY (380) Canad. Entomol. **36**, **sp. n.**

Brachycystis stictinotus **sp. n.** Kansas, VIERECK (190) Philadelphia Trans. Amer. Ent. Soc. **32**.

Cerceris invalida S. Arabia (37), *podagrosa* (38), *sokotrae* (39), Sokótra, *vagula* (41), *querula* (42), S. Arabia, KOHL Hym. Südarab., **spp. n.**—*C. papuana* **sp. n.** New Guinea, CAMERON Nova Guinea **5** Livr. 1 (57)—*C. cameroni* **nom. n.** für *canaliculata* Cam. 1905 (194), *neogenita* **nom. n.** für *laevigata* Holmb. 1903, *rebaptizata* **nom. n.** für *pictiventris* Gerst. 1857 (195), SCHULZ Spolia hymenopt.—*C. deserta*, female, VIERECK Ent. News **17** (397).

†*Ceropalites* **gen. n.** *Pompilidae*, *infelix* **sp. n.** Florissant, COCKERELL (53) Cambridge Bull. Mus. Harvard **50**.

Chlorion; monograph of, from North and Central America and West Indies, FERNALD No. 1487 Washington U. S. Nat. Mus. Proc. **31**; *auripes* nom. n. for *tibialis* Lep. (356), *harrisi* nom. n. for *apicalis* Harr. (359), *cubensis* nom. n. for *clavipes* Kohl (367), *flavitarsis* nom. n. for *flavipes* Sm. (379), *saussurei* nom. n. for *hirsutus* Sauss. (381), *resinipes* nom. n for *rufipes* Lep. (386), *ashmeadi*, Texas (389), **sp. n.**

Crabro clarconis **sp. n.** Kansas, VIERECK (213) Philadelphia Trans. Amer. Ent. Soc. **32**.—*C. fredericismithi* **nom. n.** für *affinis* F. Sm. (204), *confusus* **nom. n.** für *signatus* Panz. (207); *oceanicus* **sp. n.** Vita (202), SCHULZ Spolia hymenopt.

Cryptocheilus paeneparcus **sp. n.** Kansas, VIERECK (202) Philadelphia Trans. Amer. Ent. Soc. **32**.—*C. nesarchus* **sp. n.** Fernando Po, SCHULZ (304) Spolia hymenopt.—*C. belligerans* **nom. n.** für *bellicosus* R. Buyss., *clericalis* **nom. n.** für *Prionocnemis carbonarius* Holmb., *holmbergi* **nom. n.** für *Prionocnemis australis* Holmb., (166), *petri* **nom. n.** für *Salius frederici* Cam., *posterior* **nom. n.** für *obscurus* R. Luc., *reeditus* **nom. n.** für *rufofemoratus* R. Luc., (167), SCHULZ T.c.

Dasylabris subconspicua Eritrea, MAGRETTI (80) Firenze Boll. Soc. entom. **37**, **sp. n.**

Didineis crassicornis **sp. n.** Kansas, VIERECK (204) Philadelphia Trans. Amer. Ent. Soc. **32**.—*D. koshevnikovi* **sp. n.** Gouv. Moskau, KOKUJEV St. Peterburg Hor. Soc. Ent. Ross. **37** (209–219).

Dielis, *de-meijeri* (51), *manokwariensis* (52), *humboldti* (53), **spp. n.**, New Guinea, CAMERON Nova Guinea **5** Livr. 1.—*D. formosa* var. n. *maculiceps*, CAMERON (218) 's Gravenhage Tijdschr. Ent. **49**.

Diodontus brunneicornis **sp. n.** Kansas, VIERECK (212) Philadelphia Trans. Amer. Ent. Soc. **32**.

Elis (*Trielis*) *pollenifera* **sp. n.** Kansas, VIERECK (190) T.c.

Ephuta (*Tilluma*) *radiata* Cayenne (35), *limata* Paraguay (37), *maculifrons* Guayaquil (38), *peruviana* Vilcanota (39), *E.* (*Traumatomutilla*) *gemella* S. Paulo (42), *angustata* Rio Grande do Sul (43), *triangulifera* (45), *punctosignata* (48), Pernambuco, *chilena* Chile (48), *bimaculata* S. Paulo (65), *dives* Brazil (66), *comata* Guayaquil (67), *E. cayennensis* Guiana (70),

flaviceps Haïti (72), *boliviana* Mapiri (74), *vulnerifrons* Costa Rica (75), *expansa* Guatemala (77), *mapiriensis* Bolivia (79), *vulnerithorax* Amazons (161), *ditissima* Paraguay (162), *sulcifrons* Brazil (164), *aequatorialis* Guayaquil (165); André Zs. Hymenopter. Teschendorf **6, spp. n.**

Eumetabolus **nom. n.** für *Astatus* Panz. 1801, Schulz (211) Spolia hymenopt.

Gasterosericus capensis Willowmore (49), *oraniensis* Bothaville (51), *karooensis* Willowmore (52), Brauns Wien Verh. Zool.-bot. Ges. 1906, **spp. n.**

†*Geotiphia* **gen. n.** *Scoliidae* (49), *foxiana* **sp. n.** Florissant (51), Cockerell Cambridge Bull. Mus. Harvard **50.**

Gorytes hispanicus (116), *G.* (*Hoplisoides*) *ibericus* (117), *G.* (*Hoplisus*) *fraternus* (119), *dichrous* (120), Spain, Mercet Mem. Soc. esp. Hist. Nat. **4, spp. n.**—*G. homonymus* **nom. n.** für *politus* Bingh., *usurpator* **nom. n.** für *longicornis* Handl., (200), Schulz Spolia hymenopt.

†*Hemipogonius florissantensis* (52), *scudderi* (53), Cockerell Cambridge Bull. Mus. Harvard **50, spp. n.**

†*Hoplisidia* **gen. n.** *Nyssonidae* (47), *kohliana* and *sepultus* **spp. n.** Florissant (48), Cockerell T.c.

Hoplomutilla moneta rufonotata var. n., André Zs. Hymenopter. Teschendorf **6** (33).

Irenangelus **gen. n.** *Ampulicinae* (175), *hornus* **sp. n.** Guiana (180), Schulz Spolia hymenopt.

Lissocnemis **subg. n.** cf. *Salius.*

†*Lithotiphia* **gen. n.** *Scoliidae*, *scudderi* **sp. n.** Florissant, Cockerell (52) Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50.**

Megistommum **nom. n.** für *Megalomma* F. Sm., Schulz (200) Spolia hymenopt.

Methoca ichneumonides, life history and habits, Adlerz Uppsala Arkiv. Zool. **3** No. 4.

Miscophus oraniensis Oranje-Freistaat, Brauns (58) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Mutilla manilensis, parva, Philippines, Brown (685) Philipp. J. Sci. **1, spp. n.** —*M. tricuspido-carinulata* (48), *vigoniorum* (49), *sabargumae* (52), *thoracosulcata* (53), *damharica* (55), *hoplocephaloides* (58), *martinii* (60), *adi-ugrina* (63), *andreinii* (65), *bellii* (67), *nasicornis* (72), *sennae* (73), *clypearis* (75), *atrocyanea* (77), Eritrea, Magretti Firenze Boll. Soc. entom. **37, spp. n.**—*M. tamensis* **sp. n.** New Guinea, Cameron Nova Guinea **5** Livr. 1 (50).—*M.* (*Timulla*) *montivagoides* (185), *prognoides* (186), *nigricauda* (187), *M.* (*Photomorphus*) *quintilis* (187), *M.* (*P.?*) *crepuscula* (188), *M.* (*Photopsis*) *imperialiformis* (189), Kansas, **spp. n.**, Viereck Philadelphia Trans. Amer. Ent. Soc. **32.**—*M. cameroni* **nom. n.** für *javanica* Cam. 1905, Schulz (158) Spolia hymenopt.

Myzina discontinua **nom. n.** für *Plesia interrupta* Cam. 1905, *tenebrosa* **nom. n.** für *Plesia carbonaria* Cam. 1905, Schulz (162) T.c.

Niteliopsis foxii **sp. n.** Kansas, Viereck (207) Philadelphia Trans. Amer. Ent. Soc. **32.**

Notoglossa paenemarginatus, calligaster, (214), *taenigaster* (215), Kansas, **spp. n.**, Viereck T.c.

Notogonia expedita Sokótra (51), *pharaonum* Cairo (52), Kohl Hym. Südarab., **spp. n.**

Nysson clarconis **sp. n.** Kansas, Viereck (204) Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**

Odontomutilla tellini Eritrea, Magretti (42) Firenze Boll. Soc. entom. **37, sp. n.**

Oxybelus aethiopicus **sp. n.** Cape Town, Cameron Trans. S. Afric. Phil. Soc. **16** (328).—*O. exclamans* **sp. n.** Kansas, Viereck (215) Philadelphia Trans. Amer. Ent. Soc. **32.**—*O. dahlbomi* **nom. n.** für *14-notatus* Dahlb., Schulz (211) Spolia hymenopt.

Passalaecus equalis **sp. n.** Kansas, Viereck (212) Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**

†*Passaloecus scudderi* **sp. n.** Florissant, Cockerell (46) Cambridge Bull. Mus. Harvard **50.**

Pepsis speciosissima **nom. n.** für *speciosa* F. Sm. 1855, Schulz (167) Spolia hymenopt.

Philanthus stecki **sp. n.** Fernando Po., SCHULZ (309) T.c.—*P. clarconis* **sp. n.** Kansas, VIERECK (206) Philadelphia Trans. Amer. Ent. Soc. **32.**

Pisum allonymum **nom. n.** für *iridipenne* Cam., SCHULZ (213) Spolia hymenopt.

Pompilus resanus (98), *vegetus* (99), S. Arabia, *P.* (*Episyron*) *solitaneus* Sokótra (101), *stiegelmayri* S. America (103), *nexilis, veles*, W. Africa, (104), *P.* (*Ferreola*) *sokotrae* Sokótra (105), *argumentalis* (106), *noscibilis* (108), S. Arabia, *rupex* Senegambia (109), *vegrandis* S. Arabia, *saltabundus* Sokótra, (110), KOHL Hym. Südarab., **spp. n.**—*P. manokwariensis* **sp. n.** New Guinea, CAMERON Nova Guinea **5** Livr. **1** (55).—*P. duplex* **nom. n.** für *abdominalis* F. Sm., *steini* **nom. n.** für *affinis* Stein, (168), *relegandus* **nom. n.** für *femoralis* Spin., *stretchi* **nom n.** für *anceps* F. Sm., (169), *emeritus* **nom. n.** für *distinguendus* F. Mor., *expulsus* **nom. n.** für *connexus* Fox, (170), *xanthospilus* **nom. n.** für *flavopictus* F. Sm. (171), *rejectus* **nom. n.** für *orbitalis* Cress. (172), *chacoënsis* **nom. n.** für *spilopterus* Holmb. (173), *oenochrous* **nom. n.** für *vinicolor* Fox, *remissus* **nom. n.** für *vagans* A. Costa, (174), SCHULZ Spolia hymenopt.—*P. kizilkumensis*, Beinbildung u. Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27** (1+1-192+1) mit 64, Abb. i. T. u. 4 Taf.

Priocnemis atlanticus Kirby, CAMERON (83) Entomologist 1906.

†*Prophilanthus* **gen. n.** *Philanthidae* (46), *destructus* **sp. n.** Florissant (47), COCKERELL Cambridge Bull. Mus. Harvard **50.**

Prosopigastra mocsaryi (53), *capensis* (55), South Africa, BRAUNS Verh. zool.-bot. Ges. 1906, **spp. n.**

Psenulus ? *interstitialis* New Guinea, CAMERON (222) 's Gravenhage Tijdschr. Ent. **49, sp. n.**

Pseudagenia australis Australia, CAMERON (176) Entomologist 1906, **sp. n.**—*P. assamensis* **nom. n.** für *agitata* Cam., *decadens* **nom. n.** für *iridipennis* Cam., (165); *P. vulcanicola* **sp. n.** Fernando Po (297); SCHULZ Spolia hymenopt.

Pseudapis Kirby is *Nomia*, KOHL (8) Hym. Südarab.

Pseudopedinaspis **gen. n.** *Pompilidarum* (44), *marshalli* **sp. n.** Mashonaland (46), BRAUNS Wien Verh. zool.-bot. Ges. 1906.

Reedia centrolineata Paraguay, ANDRÉ (33) Zs. Hymenopter. Teschendorf **6, sp. n.**

Salius (*Cyphononyx*) *simonyi* S. Arabia (93), *S.* (*Lissocnemis* subg. n.) *irrasus* (97), Java, KOHL Hym. Südarab., **spp. n.**—*S. ridleyi* **sp. n.** Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (121).—*S. schizostomus*, *erythroura*, **spp. n.** New Guinea, CAMERON Nova Guinea **5** Livr. **1** (54).

Sapyga quinquepunctata = (*decipiens* Lep.), SCHULZ Spolia Hym. (41).

Sceliphron (*Chalybion*) *heinii* Südarabien (21), *frontale* Ceylon, *maligum* Japan and China, (24), *heinii* Mauritius and Sokótra (26 and 29), KOHL Hym. Südarab., **spp. n.**—*S. papuanum* New Guinea, CAMERON (221) 's Gravenhage Tijdschr. Ent. **49, sp. n.**

Scolia foxi **nom. n.** für *angulata* Fox (162), *binominata* **nom. n.** für *bisignata* Fox, *corrigenda* **nom. n.** für *nigra* Sauss., (163), *labilis* **nom. n.** für *signata* F. Sm., *pseudonyma* **nom. n.** für *smithi* Fox, *reversa*, **nom. n.** für *Elis pygmaea* Schrottky, (164); *S. mansueta*, subsp. *sectophila* **n. nom.** (163); SCHULZ Spolia hymenopt.

Solenius vagus nymph, PLANET (187, 188) figs. 1–3 Naturaliste 1906.

Sphex (*Isodontia*) *hewitti* **sp. n.** Borneo, CAMERON Singapore J. Straits R. As. Soc. No. 46 (119).

Spilomena alboclypeata Brit. Columbia, BRADLEY (380) Canad. Entomol. **38, sp. n.**

Stenomutilla pseudoberöe Eritrea, MAGRETTI (83) Firenze Boll. Soc. entom. **37, sp. n.**

Stizus (*Stizomorphus*) *carpetanus* (144), *pulchellus* (146), *S. aestivalis* (147), Spain, MERCET Mem. Soc. esp. Hist. nat. **4, spp. n.**—*S. papuanus* **sp. n.** New Guinea, CAMERON Nova Guinea **5** Livr. 1 (58).—*S. revindicatus* **nom. n.** für *schmiedeknechti* Handl., SCHULZ (199) Spolia hymenopt.

Tachypompilus ashmeadi Philippines, BROWN (684) Philipp. J. Sci. **1, sp. n.**

Tachysphex aemulus (48), *glaber* (49), S. Arabia, Kohl Hym. Südarab., **spp. n.** —*T. punctulatus* **sp. n.** Nebraska, Smith (246) Ent. News **17**.—*T. crassiformis* (210), *clarconis*, *intermedius*, (211), Kansas, **spp. n.**, Viereck Philadelphia Trans. Amer. Ent. Soc. **32**.

Tachytella **gen. n.** *Tachysphex* Gruppe (56), *aureopilosa* **sp. n.** Kapland (57), Brauns Wein Verh. Zool. bot. Ges. 1906.

Tachytes salva Sokotra, Kohl (48) Hym. Südarab., **sp. n.**

Thynnus albopilosellus New Guinea, Cameron (215) 's Gravenhage Tijdschr. Ent. **49**, **sp. n.**—*T. dallatorrei* **nom. n.** für *bidens* Sauss., *substitutus* **nom. n.** für *varipes* F. Sm., (160), *remissus* **nom. n.** für *novarae* Sauss. (161), Schulz Spolia hymenopt.—*T. racovitzai* (59) pl. ii f. 7, *holomelas* (61) f. 8, André Résult. Belgica, Zoologie.

Tiphia waldonii (302), *brunneicornis*, *egregia* (303), *relativa* (304), Connecticut, Viereck Ent. News **17**, **spp. n.**

†*Tracheliodes mortuellus* **sp. n.** Florissant, Cockerell (45) Cambridge Bull. Mus. Harvard **50**.

Trypoxylon peltopsis Meditterranean (3), *aegyptium* Egypt, *schmiedeknechtii* Java, (34), *senegambicum* Senegal (35), Kohl Hym. Südarab., **spp. n.**—*T. regularis* (205), *quintilis* (206), Kansas, **spp. n.**, Viereck Philadelphia Trans. Amer. Ent. Soc. **32**.—*T. montanum* **nom. n.** für *placidum* Cam., Schulz (212) Spolia hymenopt.

Xanthampulex **gen. n.** *Ampulicinae* (183), *trifur* **sp. n.** Celebes (184), Schulz Spolia hymenopt.

(*Dasylabis nursei* n. n. (= Mutilla suspecta Nurse) André, Paris Ann. Soc. ent. **72**, 1903.)

(*Ephuta* (*Traumotomutilla*) *lineifera*, *ingens*, *graviceps*, *vulneriventris*, *trilineata*, *hydrocephala*, André, T.c. spp. n.)

(*Ephutomorpha laematogastra*, *albosignata*, *fulvescens*, *rugidorsis*, *aenifrons*, *oviventris*, *uniformis*, *frogatti*, spp. n., *morosa* var. *rufithorax*, var. n., *aenifrons* var. *cupreiventris* var. n., André, T.c.)

(*Mutilla transvaalensis*, *arcuaticeps*, Transvaal, André, Paris Bul. soc. ent. 1905.—*M. merceti*, *schulzi*, *luctifera*, *sexnotata*, André, Paris Ann. Soc. ent. **72**, 1903, spp. n.)

(*Odontomutilla sekkimensis* André, T.c., sp. n.)

(*Pompilus suspectus* Saussure, Mission Pavie, **3**, sp. n.)

(*Priocnemis parcedentatus* Saussure, T.c., **3**, sp. n.)

(*Pseudomethoca xiphognatha* André, Paris, Ann. Soc. ent. **72**, 1903, sp. n.)

(*Rhoptomutilla camponotiformis* André, T.c., sp. n.)

(*Salius pavianus* Saussure, Mission Pavie, **3**, sp. n.)

(*Sapyga wagnerellia* Du Buysson, Paris Bul. Soc. ent. **1904** sp. n.)

(*Tachysphex rufiventralis* Ferton, Paris Ann. Soc. ent., **74**, n. sp.)

(*Tallium konowi* André, Paris Ann. Soc. ent. **72**, 1903, sp. n.)

(*Thypoctes glaber* André, T.c., sp. n.).

Formicidae.

General.

Die Ameisen. Schilderung ihrer Lebensweise, Escherich Braunschweig (xx + 232).

Biologie der Ameisen, Tl 2. Die neueren Arbeiten (1905-1906). (Zusammenfassende Uebersicht), Escherich Zool. Centralbl. Leipzig **13** 1906 (405–440).

Polymorphismus der Ameisen., ergatomorphism etc., wings of ♀: Emery Biol. Centralbl. Leipzig **26** (624–630). —Auch in: Festschrift für J. Rosenthal Tl. 1 (33–40).

Die Ameisen, Knauer, (Aus Natur u. Geisteswelt, Bd. 94.) Leipzig, (iv + 156).

Anatomy of head, *Lasius niger*; Janet No. **3**, (1–40), pls. i–v.

Synoptic tables of *Formicidae* of Luxemburg, Wasmann Arch. Inst. Luxemburg 1906 (1–20) 2 pls.

Ashmead's classification criticised, Emery (717, 718) Zool. Anz. **29**.

Catalogue of *Formicidae* of Himalaya, and nature of the fauna, Forel (83-94) Lausanne Bul. Soc. Sci. Nat. **42**.

List of the *Formicidae* of New England, WHEELER Boston Occ. Paprs. Soc. Nat. Hist. **7** 1906 (1–24).

On the founding of colonies by queen ants, with special reference to the parasitic and slave-making species, WHEELER New York Bull. Amer. Mus. **22** 1906 (33–105) pls. viii–xiv.

Biologie der spinnenden Ameisen, KOHL Natur u. Offenb. Münster **52** 1906 (166–169).

Certain maladjustments in the relations of ants to plants. WHEELER New York Bull. Amer. Mus. **22** 1906 (403–418).

Ameisenpflanzen. ULE Bot. Jahrb., Leipzig **37** 1906 (335–352) 2 Taf.

Eigentümliche mit Pflanzen durchwachsene Ameisennester am Amazonenstrom, ULE Natw. Wochenschr. Jena **21** (145–150) 1 Taf.

Ants not useful on myrmecophilous plants. NIEUWENHUIS-VON UEXKÜLL-GÜLDENBAND Amsterdam Proc. Sci. K. Acad. Wet. **9** (150–156), (English); Amsterdam Versl. Wis. Nat. Afd. K. Akad. Wet. **15** (69–75) (Dutch).

Blindschleiche und Waldameisen. BRÜNING Wochenschr. Aquarienkunde Braunschweig **3** 1906 (542–544).

Beobachtungen an künstlichen Ameisennestern, ERNST Biol. Centralbl. Leipzig **26** (210–220).

Remplacement des muscles vibrateurs du vol par des colonnes d'adipocytes, après le vol nuptial. JANET Paris C.-R. Acad. sci. **142** 1906 (1095–1097) av. fig.

Olfaction and reconnaissance, PIÉRON C.-R. Acad. Sci. **143** (845–848); Paris C.-R. Soc. Biol. **61** (385–387) also (433–435) and (471–473).

Special.

Anochetus mayri australis subsp. n., EMERY (117) Firenze Boll. Soc. entom. **37.**

Atta; revision of subgenn. *Moellerius* and *Acromyomex* with the following **spp. n.**, *A.* (*Moellerius*) *silvestrii* Cordoba (42), *A.* (*Acromyrmex*) *mesonotalis* Peru (46), *laticeps* S. America (50), *boliviensis* Bolivia, *pubescens* Paraguay, (51); EMERY Bologna Mem. Acc. sci. Ser. 6 **2.**—*A.* (*Trachymyrmex*) *pruinosa* Buenos Aires (163), EMERY Firenze Boll. Soc. entom. **37, sp. n.**

Azteca barbifex (242), *duckei* (243), *huberi* (244), *goeldii* (245), Amazons, **spp. n.**; *chartifex* subsp. n. *decipiens* (236) and var. n. *lanians* (237), *trigona* subsp. n. *mathildae* and var. n. *spuria* (238), *traili* var. n. *elatior*, *alfari* var. n. *aequalis*, (239) and subspp. n. *cecropiaea* and *tuberosa* (240); *A. paraensis* var. n. *gnava* (241); FOREL Bruxelles Ann. Soc. ent. Belgique **50.**

Basiceros **nom. n.** für *Ceratobasis* F. Sm., SCHULZ (156) Spolia hymenopt.

Bothriomyrmex; moeurs parasitiques temporaires; SANTSCHI Paris Ann. soc. ent. **75** (363–392).

Brachymyrmex brevicornis Buenos Aires (180), *myops* Brazil (182), EMERY Firenze Boll. Soc. entom. **37, spp. n.**

Camponotus vogti Taurus **sp. n.**, *maculatus* var. n. *bosphoricus*, (187), and subsp. n. *caeciliae* (188), FOREL Bruxelles Ann. Soc. ent. Belgique **50.**—*C. silvestrii* Matto Grosso (194) **sp. n.**; *maculatus luteolus* (188), *punctulatus imberbis* S. Fé, (190), subspp. n.; EMERY Firenze Boll. Soc. entom. **37.**—*C. maculatus intonsus* (29), *liocnemis*, *madecassa*, (30), *barbaricus* (31), subspp. n., EMERY Bologna Rend. Acc. Sci. n. ser. **9.**—*C. fiebrigi* Paraguay, FOREL (247) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*C. herculeanus ligniperdus* **var. n.** *rubens*, WHEELER (41) Psyche, **13.**

Carebarella **gen. n.** near *Solenopsis* (137), *bicolor* **sp. n.** Misiones (138), EMERY Firenze Boll. Soc. entom. **37.**

Crematogaster arata Misiones, EMERY (140) Firenze Boll. Soc. entom. **37, sp. n.** — *C. lineolata* Say, habits, WHEELER New York Bull. Amer. Mus. **22** (1–18) plates i–vi.—*C. laboriosa matsumurai* pl. xli f. 1, WHEELER (312) New York Bull. Amer. Mus. **22.**

Cryptocerus incertus Paraguay (171), *adolphi* Matto Grosso, *foliaceus* Peru, (172), EMERY Firenze Boll. Soc. entom. **37, spp. n.**—*C. duckei* Amazons, *silvae* Colombia, (233), **spp. n.**; *setulifer orbis* subsp. n. (231), *pilosus* st. n. *fiebrigi* (235); FOREL Bruxelles Ann. Soc. ent. Belgique **50.**

Ctenopyga townsendi **sp. n.** Mexico, ASHMEAD (29) f. 4 Washington Proc. ent. Soc. **8.**

Cephalomyrmex parvillus Matto Grosso, EMERY (161) Firenze Boll. Soc. entom. **37 sp. n.**

Dolichoderus germaini leviusculus subsp. n. EMERY (173) T.c.

Dorylidae; classification, ASHMEAD (23–31) Washington D.C. Proc. ent. soc. **8.**

Dorymyrmex mucronatus Chubut, EMERY (174) Firenze Boll. Soc. entom. **37, sp. n.**—*D. pyramicus* var. n. *bicolor*, WHEELER (342) New York Bull. Amer. Mus. **22.**

Eciton silvestrii Uruguay (109), *planidorsum* Paraguay (110), **spp. n.**; *latiscapum hospes* subsp. n. (11); EMERY Firenze Boll. Soc. entom. **37.**—*E. praedator* ♂, FOREL (246) Bruxelles Ann. Soc. ent. Belgique **50.**

Ectatomma (*Gnamptogenys*) *trigonum* Nova Friburgo, EMERY (114) Firenze Boll. Soc. entom. **37, sp. n.**

Erebomyrma peruviana Marcapata, EMERY (139) T.c., **sp. n.**

Euprenolepis **subg. n.** for *Prenolepis procera*, EMERY (134) Bruxelles Ann. Soc. ent. Belgique **50.**

Forelius chalybaeus Patagonia, EMERY (176) Firenze Boll. Soc. entom. **37, sp. n.**

Formica morsei **sp. n.** New England WHEELER (39) pl. iv f. i Psyche **13.**—*F. moki* **sp. n.** Grand Cañon, WHEELER (343) New York Bul. Amer. Mus. **22.**—*F. pratensis*, excrement and excrement-like objects on nests of, WASMANN (42) Zs. wiss. Insektenbiol. **2.**—*F. rufa*, times of appearance of sexes in one nest, WANACH (235) Berliner ent. Zs. **50.**—*F. fuliginosa* in Japan, DU BUYSSON (101, 102) Rev. Ent. Caen **25.**

Formicoxenus nitidulus (=*Stenamma westwoodi* auctt. Brit.) ♂, BAGNALL (210) Ent. Mag. London **42.**

Iridomyrmex itoi var. n. *abbotti* Japan pl. xli f. 3, WHEELER (318) New York Bull. Amer. Mus. **22.**

Lasius flavus subsp. n. *nearcticus*, WHEELER (38) Psyche **13.**—*L. niger*, food oviposition of workers, nest founding, DE LANNOY (43–46) Bruxelles Ann. Soc. ent. Belgique **50**; Gründung neuer Kolonien, MRÁZEK Zs. wiss. Insektenbiol. **2** (109–111).—*L. fuliginosus*, duration of colony, GIARD Feuille jeunes natural. Paris **36** (30).

Leptogenys; injurious habits, COOK Science **23** (187–189) and WHEELER (348–350) T.c.

Leptothorax congruus Sm., WHEELER (316, 317) New York Bull. Amer. Mus. **22.**

Monomorium nipponense (310), *triviale* (311), WHEELER New York Bull. Amer. Mus. **22 spp. n.**—*M. destructor* in N. America, WHEELER Ent. News **17** (265).

Myrmecina graminicola subsp. n. *nipponica* Japan, WHEELER (307) New York Bull. Amer. Mus. **22.**

Myrmecocystus; Rassegna critica delle specie paleartiche di, EMERY Bologna Mem. Acc. sc. **3** (173–187) 35 fig.—*M. setipes* var. *turcomanicus*, Vertheidigungsprozesse, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27** (1–192).

Myrmelachista rubiginosa Buenos Aires, EMERY (185) Firenze Boll. Soc. entom. **37, sp. n.**

Myrmica pachei Himalaya, FOREL (79) Lausanne Bul. Soc. sci. nat. **42, sp. n.**—*M. rubra laevinodis* var. n. *bruesi*, WHEELER (38) Psyche **13.**

Nylanderia **subg. n.** for *Prenolepis viridula*, EMERY (134) Bruxelles Ann. Soc. ent. Belgique **50.**

Oecophylla smaragdina nat. history, BINGHAM 27–30 Fascic. Malay. Zool. **3.**

Oligomyrmex anophthalmus Amazons (138), with subsp. *punctatorugosa* (139), EMERY Firenze Boll. Soc. entom. **37, sp. n.**

Orthonotomyrmex **nom. n.** for *Orthonotus* Ashm.; ASHMEAD (31) Washington Proc. Ent. Soc. **8.**

Pachycondyla (*Pseudoponera*) *sauteri* **sp. n.** Japan (304) pl. xli f. 66, WHEELER New York Bull. Amer. Mus. **22.**

Pheidole deserticola sp. n. (337), with varr. *comanche* and *mariana* (339), Grand Cañon, WHEELER T.c.—*P. taurus* (142), *cavifrons* (144), *silvestrii* (146), *strobeli* (149), *vemiculatus* (157), *brevibarbis* (158), *silvestrii* (159), S. America, **spp. n.**; *bergi subparallela* subsp. n. (145), *risi trachyderma* subsp. n. (148), *cornatula imbecillis* var. n. (151), *gertrudae capillata* subsp. n. (151),

triconstricta varr. n. *ambulans* and *nubila* (153), *fallax* var. n. *retifera*, *flavens rudigenis* (155), *bispinosus* var n. *semistriata* (158); EMERY Firenze Boll. Soc. entom. **37**.

Polyrhachis alexandri **sp. n.** Java (375), KARAWAIEW Zs. wiss. Insektenbiol. **2, n. sp.**

Ponera japonica **sp. n.** Japan, WHEELER (306) New York Bull. Amer. Mus. **22**.—*P. clavatula* Posadas, EMERY (116) Firenze Boll. Soc. entom. **37, sp. n.**—*P. contracta*, habits, CHITTY (212) Ent. Mag. London **42**.

†*Ponera hendersoni* **sp. n.** Florissant, COCKERELL (28) Ent. News **17**.

Prenolepis kincaidi **sp. n.** Bermudas, WHEELER (350) New York Bull. Amer. Mus. **22**.—*P. silvestrii* Buenos Aires, EMERY (186) Firenze Boll. Soc. entom. **37, sp. n.**—*P. vividula* characters; cf. also *Nylanderia* and *Euprenolepis*; EMERY (130) Bruxelles Ann. Soc. ent. Belgique **50**.—*P. flavipes*, WHEELER (320, 321) New York Bull. Amer. Mus. **22**.

Pristomyrmex japonicus pl xli f. 7, WHEELER (317) T.c.

Pseudomyrma depressa, oki, (225), *kurokii* (226), Colombia, *duckei* Amazons (227), *alfari* Costa Rica (228), **spp. n.**; *acanthobia laevivertex* subsp. n. (227), *elongata* var. n. *tandem* (228), *biconvexa* var. n. *longiceps*, *nigropilosa laticeps* subsp. n. (229), *sericea* varr. n. *ita* and *vinneni*, *tenuis* var. n. *pittieri* (230); FOREL Bruxelles Ann. Soc. ent. Belgique **50**.—*P. subtilissima tenuissima* subsp. n., EMERY (119) Firenze Boll. Soc. entom. **37**.

Rhizomyrma pachycera Paranà, EMERY (182) T.c., **sp. n.**

Solenopsis silvestrii Uruguay (120), *decipiens* (126), La Plata, *albidula* (129), *tetracantha* (131), Nuñez, *patagonica* Chubut (132), *minutissima* Nuñez (133), *brevipes* Entre Rios (135), EMERY T.c., **spp. n.**—*S. geminata* var. n. *aurea* WHEELER (336) New York Bull. Amer. Mus. **22**.

Stenamma owstoni **sp. n.** Japan (314), *aciculatum brunneicorne* (315) pl. xli f. 14, WHEELER T.c.—*S. sagei pachei* subsp. n., FOREL (82) Lausanne Bull. Soc. Sci. Nat. **42**.—*S. barbarum* var. n. *semoni*, FOREL (190) Bruxelles Ann. Soc. ent. Belgique **50**.

Strumigenys silvestrii Buenos Aires (168), *conspersa* Salta, *schmalzi* Brazil, (169), **spp. n.**; *smithi prospiciens* Misiones (167) subsp. n., EMERY Firenze Bull. Soc. entom. **37**.

Sysphineta watasei **sp. n.** Japan, WHEELER (303) New York Bull. Amer. Mus. **22**.

Technomyrmex gibbosus **sp. n.** Japan pl. xli f. 4, WHEELER (319) T.c.

Tomognathus sublaevis, natural history, VIEHMEYER (58–67) pl. iii Dresden Sitz. Ber. Isis 1906.

Typhlomyrmex clavicornis Bolivia, EMERY (112) Firenze Boll. Soc. entom. **37, sp. n.**—*T. clavicornis* var. n. *divergens*, FOREL (249) Bruxelles Ann. Soc. ent. Belgique **50**.

Vollenhovia emeryi **sp. n.** Japan pl. xli figs. 10 and 11, WHEELER (312) New York Bull. Amer. Mus. **22**.

Wasmannia auropunctata nigricans var. n., EMERY (161) Firenze Boll. Soc. entom. **37**.

(†*Dimorphomyrmex theryi* EMERY, Paris Bul. soc. ent. 1905, sp. n.)

(*Eusphinctus duchaussoyi* ANDRÉ, Rev. Ent. **24** 1905 sp. n.)

(*Odontomyrmex* gen. n. *quadridentatus* sp. n. ANDRÉ, Rev. ent. Caen **23** 1904).

CHRYSIDAE.

Chrysis voiensis E. Africa, DU BUYSSON (111) Rev. ent. Caen **25, sp. n.**—*C. monticellii* **sp. n.** Java; *C. laborans* Costa; BUYSSON Napoli Annuario Museo zool. **2** No. 2 1905.—*C. miri* Philippines, BROWN (685) Philipp. J. Sci. **1, sp. n.**—*C.* (*Gonochrysis*) *kansensis*, *C.* (*Tetrachrysis*) *equidens* (193), *kahli*, *pattonella*, (194), *snowi* (195), Kansas, **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32**.—*C. jensenii* **sp. n.** Mendoza Argentina, BUYSSON Kjöbenhavn Ent. Medd. **3**.—*C. viridula*, ♀ habits; ADLERZ Arkiv. Zool. **3** No. **8**.—*C. provancheri* **nom. n.** für *aurichalcea* Prov., SCHULZ (154) Spolia hymenopt.

Hedychridium cockerelli Colorado, DU BUYSSON (111) Rev. Ent. Caen **25, sp. n.**

Heptachrysis roberteana Cape Colony, CAMERON (415) Grahams Town Rec.

Albany Mus. **1, sp. n.**—*H. novae-guineae* **sp. n.** New-Guinea, CAMERON Nova Guinea Livr. i (49).

Hexachrysis whiteana **sp. n.** Cape Colony, CAMERON Graham's Town Rec. Albany Mus. **1** (412).

Notozus connexus **sp. n.** Kansas, VIERECK (192) Philadelphia Trans. Amer. Ent. Soc. **32.**

Parnopes imberba Madagascar, DU BUYSSON (112) Rev. Ent. Caen **25, sp. n.**

Pentachrysis leira **sp. n.** Cape Colony, CAMERON, Graham's Town Rec. Albany Mus. **1** (416).—*P. papuana* **sp. n.** New-Guinea, CAMERON Nova Guinea **5** Livr. 1 (49).

Tetrachrysis dalyana (413), *kloofensis* (414), *soleana* (415), Cape Colony, CAMERON Graham's Town Rec. Albany Mus. **1, spp. n.**

The following Chrysidae have been previously recorded in the Zoological Record.

(*Chrysis baeri*, DU BUYSSON. Paris Bul. Soc. ent., **1903**, (311), sp. n.—*C. ceciliæ*, Java, *rüppelii* Abyssinie, *jheringhi* Brésil, *tellinii* Erythréa, *distrecta* Sierra Leone, *goyasensis* Brésil, *myops* Argentine, *ypirangensis* Brésil, *alfkenella* Californie, *schulzi* Célèbe, *kathederi* Turquie, *rubropicta* Abyssinie, *alluaudi* Madagascar, DU BUYSSON, Rev. ent Caen **23,** 1904, spp. n.)

(*Hedychridium andreinii* Erythréa, DU BUYSSON, *moricei* Zante T.c. spp. n.)

☞ (*Hedychrum alluaudi* Madagascar, DU BUYSSON, T.c. sp. n.)

(*Holopyga wagneriella* Beloutchistan, T.c. sp. n.)

(*Notozus decorsei* Afrique central, DU BUYSSON, T.c. sp. n.)

(*Parnopes oberthuri*, DU BUYSSON, T.c. *digueti* Mexique spp. n.)

ICHNEUMONIDAE.

†*Acoenites defunctus* Colorado, BRUES (493) New York N.Y. Bull. Amer. Mus. **22, sp. n.**

Acronus enderleini **sp. n.** Deutsch Ost-Afrika, SCHULZ (117) Spolia hymenopt.

Adelopimpla **nom. n.** für *Ctenopimpla* Cam., SCHULZ (116) T.c.

Adiostola polita **sp. n.** Japan, ASHMEAD (173) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Agrypon singaporensis Singapore, *bicolor* Ceylon, *indicum* Ostendien, (124), *nigricans* Neu Guinea, *birói* N. S. Wales, (125), *concolor* Mexico (126), **spp. n.,** SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Allocamptus cubitalis Ost-Afrika (148), *novo-guineensis* Neu-Guinea, *venezuelanus* Venezuela, (149), **spp. n.,** SZÉPLIGETI T.c.

Allotheca **gen. n.,** *annulipes* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (103–104).

Amblyteles cephalotes Riom, BERTHOUMIEU (60) Echange **22, sp. n.**

Amorphota augusta Kansas (180), *confluens* (217), *galvestonensis* (219), *ferruginosa* (220), Texas, **spp. n.,** VIERECK Philadelphia Trans. Amer. Ent. Soc. **32.**

Angitia autumnalis **sp. n.** Kansas, VIERECK (181) Philadelphia Pa., Trans. Amer. Ent. Soc. **32.**

Anisojoppa **gen. n.,** *lutea* **sp. n.** Natal, CAMERON Cape Town Ann. S. Afric. Mus. **5** (168).

Anomalon japonicum Japan, CAMERON, (98) Entomologist 1906, **sp. n.**—*A. trichiosomum* Australia, CAMERON (182) **T.c., sp. n.**

Apechthis orbitalis pl. xiii f. 2, *sapporoensis* **spp. n.,** Japan, ASHMEAD (178) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Arotes ? *flavescens* Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (130), **sp. n.**

Asphragis ? *flavo-orbitalis* Cape Colony, CAMERON (18) Entomologist London **29, sp. n.**

Asthenara rufocincta **sp. n.** Japan, ASHMEAD (183) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Ateleute pallidipes **sp. n.** Japan, ASHMEAD (186) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Atrometus sericeus Singapore, *tricolor* Paraguay, **spp. n.,** (126), SZÉPLIGETI

Ann. Hist.-Nat. Mus. Mus. Nat. Hung. **4.**

Banchus reparandus **nom. n.** für *tricolor* Cam., SCHULZ (95) Spolia hymenopt.

Barylypa pilosella (277), *interstialis, rufolineata,* (278), *variornata, erythrocera,* (279), Baluchistan, CAMERON Bombay J. Nat. Hist. Soc. **17, spp. n.**

Bassus japonicus **sp. n.** Japan, ASHMEAD (183) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Bathymeris **gen. n.** near *Xorides, longipes* **sp. n.** Sikkim, CAMERON (251) Entomologist 1906.

Bathymetis sapporoensis **sp. n.** Japan, ASHMEAD (172) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Bucheckerius **gen. n.** anomalous (280), *perforatus* **sp. n.** Fernando Po (285), SCHULZ Spolia hymenopt.

Calliclisis incerta **sp. n.** Japan, ASHMEAD (182) pl. xiv f. 1, Washington D.C. U. S. Nation. Mus. Proc. **30.**

Campoplex hakonensis, bicoloripes, **spp. n.,** Japan, ASHMEAD (184) Washington D.C. U. S. Nation. Mus. Proc. **30.** — *C. japonicus* Japan, CAMERON (99) Entomologist 1906, **sp. n.**—*C. fulvicornis, rufoscapus, erythrospilus, crassiventris,* S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (93), **spp. n.**—*C. wyomingensis* **sp. n.** Wyoming, VIERECK (242) Philadelphia Trans. Amer. Ent. Soc. **32.**

Charops cariniceps S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (92), **sp. n.**—*C. luteus* Neu-Guinea, *pilosus* Peru, (127), *similis* Bolivien, *albistylus* Peru, (128), *brasiliensis* Brasilien (129), **spp. n.** SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Cratocryptodes **nom. n.** für *Cratocryptus* Cam., SCHULZ (123) Spolia hymenopt.

Cremastus indicus Ost.-Indien, *australiensis* N. S. Wales, (152), *niger* Bolivien (153), **spp. n.,** SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Cryptaulax **gen. n.,** *erythrostomus, ruficeps,* **spp. n.,** CAMERON Cape Town Ann. S. Afric. Mus. **5** (150–152).

Cryptus sokotranus Sokótra, KOHL (118) Hym. Südarab., **sp. n.**—*C. violaceotinctus* Quetta (284), *nursei* Kashmir (285), CAMERON Bombay J. Nat. Hist. Soc. **17, spp. n.**—*C. spilocephalus, simillimus, rufoplagiatus, natalensis, leighi,* S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (137–141), **spp. n.**—*C. alberti* **sp. n.** Japan, ASHMEAD (175) Washington D.C. U. S. Nation. Mus. Proc. **30.**—*C. consobrinus* **sp. n.** Arizona, VIERECK (225) Philadelphia Trans. Amer. Ent. Soc. **32.**—*C. perturbator* **nom. n.** für *tuberculatus* Cam., SCHULZ (124) Spolia hymenopt.

Crytea **gen. n.,** *foreata, fuscomaculata, lutea, varicornis,* **spp. n.,** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (171–173).

Ctenotoma **gen. n.,** *fuscipennis, nigriceps, ruficeps,* **spp. n.,** S. Africa, CAMERON T.c. (127–129).

Cubocephalus nigriventris, host *Tetropium,* DONISTHORPE (41) Ent. Mag. London **42.**

Cymatoneura nugalis **sp. n.** Fernando Po, SCHULZ (275) Spolia hymenopt.

Delaulax **gen. n.,** *rufus* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (111–112).

Dicoelotus pulex, lugens, Algérie, BERTHOUMIEU (60) Echange **22, spp. n.**

Elasmognathias **nom. n.** for *Elasmognathus* Ashm., ASHMEAD (31) Washington Proc. Ent. Soc. **8.**

Enicospilus melanospilus **sp. n.** New-Guinea, CAMERON Nova Guinea **5** Livr. 1 (48).

Ephialtes kriechbaumeri **nom. n.** für *geniculatus* Kriechb., SCHULZ (115) Spolia hymenopt.

Epirhyssa tuberculata **sp. n.** Borneo, CAMERON Singapore J. Straits R. As. Soc. No. 46 (114).

Epiurus annulitarsis, hakonensis (179), *persimilis* (180), **spp. n.,** Japan, ASHMEAD Washington D.C. U. S. Nation. Mus. Proc. **30.**

Eristicus tibialis S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (181), **sp. n.**

Erythrophion **gen. n.,** *ferrugineus* **sp. n.** Cape Town, CAMERON T.c. (87–88).

Erythropimpla fruhstorferi Celebes (105), *obiensis* Obi (107), *aethiopica*

Usambara (109), *himalayensis* Sikkim (110), *celebensis* Celebes (111), SCHULZ Spolia hym., **spp. n.**

Euryophion **gen. n.**, *nigripennis* **sp. n.** Natal, CAMERON Cape Town Ann. S. Afric. Mus. **5** (83).

Exephanes nigromaculatus, *flavomaculatus*, S. Africa, CAMERON (161) T.c., **spp. n.**—*E. koebelei* **sp. n.** Japan, ASHMEAD (170) Washington D.C. U. S. Nation. Mus. Proc. **30.**

E. nigromaculatus ♂, CAMERON (335) Cape Town Trans. S. Afric. Phil. Soc. **16.**

Exetastes nitidus **sp. n.** Quetta, CAMERON (274) Bombay J. Nat. Hist. Soc. **17.**—*E. peronatus* Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (101), **sp. n.**

Exochus hakonensis **sp. n.** Japan, ASHMEAD (184) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Fileanta rufo-cauda **sp. n.** Quetta, CAMERON (287) Bombay J. Nat. Hist. Soc. **17.**

Gabunia ruficeps Natal, CAMERON (30) Entomologist **39, sp. n.**

Gavrana **gen. n.** *Phygadeuonini*, *maculipes* **sp. n.** Australia, CAMERON (180) T.c.

Glypta nigro-ornata Cape Colony, CAMERON (117) Cape Town Ann. S. Afric. Mus. **5, sp. n.**

Glyptojoppa **gen. n.**, *sulcata* **sp. n.** Tenasserim; CAMERON (229) Entomologist 1906.

Gonioprymnus **gen. n.**, *maculiceps* **sp. n.** Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (126).

Habronyx nigra **sp. n.** Chili (123), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Hemichneumon anceps Val d'Isère, BERTHOUMIEU (60) Echange **22, sp. n.**

Hemiephialtes **gen. n.** *Pimplini*, *glyptus* **sp. n.** Japan pl. xiii f. 1, ASHMEAD (177) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Hemiteles sapporoensis **sp. n.** Japan, ASHMEAD (174) Washington D.C. U. S. Nation. Mus. Proc. **30.**—*H. antarcticus*, TOSQUINET (53) pl. ii f. 5 Résult. Belgica, Zoologie.—*H. biannulatus*, parasite of *Trichoptera*, NIELSEN Zs. wiss. Insektenbiol. **2** (385–386).—*H. caducus* **nom. n.** für *geniculatus* Cam., SCHULZ (125) Spolia hymenopt.

Henicophatnus pilosus Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (166), **sp. n.**

Henicospilus bantu **sp. n.** Fernando Po, SCHULZ (278) Spolia hymenopt.—*H. damarensis*, *natalensis*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (81), **spp. n.**—*H. fenestralis* (134), *seminiger*, *africanus*, *brevipennis*, (135), Ostafrika, *capensis* Capland, *madagascariensis* Madagascar, *angustatus* Ostafrika, (136), *communis* Ostafrika (137), *borneensis* Borneo, *abdominalis* Ceylon, *xantusi* Borneo, (138), *flagellaris*, *biroi*, Neu-Guinea, (139), *novo-guineensis*, *gracilis*, Neu-Guinea, (140), *interruptus*, *nigricornis*, *cingulatus*, Neu-Guinea, (149), *celebensis*, *rufinervis*, Celebes, *diversus*, *nigrinervis*, Neu-Guinea, (142), *lunulatus* Bismark-Archipel, *aequalis* Neu-Guinea, *incompletus* Celebes, (143), *dispilus*, *fuscatus*, Brasilien, *trispilus* Bolivien, (145), *elegans* Brasilien, *seminiger*, *xanthocarpus*, Bolivien, (146), *persimilis*, Peru, *xanthostigma*, *fuscipennis*, *brasiliensis*, Brasilien, (147), **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Holcopimpla **gen. n.**, *nigricornis* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (113).

Hymenobosmina pomonellae **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (338).

Ichneumon spicicornis (59), *areticornis* (60), Algerie, *cenisiensis* Mont. Cenis (61), BERTHOUMIEU Echange **22, spp. n.**—*I. ruficaudis*, *natalensis*, **spp. n.**, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (159).—*I. hemimelanarius* **sp. n.** Arizona (226), VIERECK Philadelphia Trans. Amer. Ent. Soc. **32.**—*I. flavofacialis* **sp. n.** Pennsylvania, VIERECK (245) T.c.—*I. ashmeadi* **nom. n.** für *imitator* Ashm., SCHULZ (128) Spolia hymenopt.

Idecthis biconjunctus Kansas (180), *paenerivalis* Texas (216), **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32.**

Irabatha **gen. n.** *Mesostenini*, *albispina* **sp. n.** New Guinea, CAMERON Nova Guinea **5** Livr. 1 (47).

Laphyctes ? *trilineatus* Australia, CAMERON (182) Entomologist 1906, **sp. n.**

Lareiga coerulea **sp. n.** Himalayas, CAMERON Zs. Hymenopter. **6** (159).

Lassonota baluchistanensis **sp. n.** Quetta, CAMERON (283) Bombay J. Nat. Hist. Soc. **17.**

Leptodemas cariniscutis **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (330).

Leptophatnus, **gen. n.**, *ruficeps* **sp. n.** Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (165–166).

Lienella canaliculata, quadriannulata, ruficornis, latifasciata, S. Africa, CAMERON T.c. (155–159), **spp. n.**

Limnerium fulvipalpis, capense, peringueyi, sessilinervis, longiceps, melanostomum, areolatum, S. Africa, CAMERON T.c. (97–100) **spp. n.**—*L. quettaense, forticarinatum*, (280), *parvicarinatum* (281), Baluchistan, CAMERON Bombay J. Nat. Hist. Soc. **17, spp. n.**—*L. himalayense, erythropus*, Simla, CAMERON (249) Entomologist 1906, **spp. n.**—*Limnerium lawrencei* (178), *vigilis* (179), Kansas, **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32.**

Lissichneumon **gen. n.**, *levis* **sp. n.** Simla, CAMERON (227) Entomologist 1906.

Lissonota lineaticeps, aethiopica, fulvipalpis, fuscicornis, pulchripennis, marshalli, L. (?) *spilocephala*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (119–124), **spp. n.**

Macrocentrus capensis S. Africa, CAMERON Cape Town Afric. Mus. T.c. (30), **sp. n.**

(?) *Macrophatnus balteatus, M.* (?) *trilineatus*, S. Africa, CAMERON T.c. (174–175), **spp. n.**

Matsumuraius **gen. n.** *Joppini* (169), *grandis* **sp. n.** Japan (170) pl. xii f. 1, ASHMEAD Washington D.C. U. S. Nation. Mus. Proc. **30.**

Megarhyssa japonica **sp. n.** Japan, ASHMEAD (176) T.c.

Melanichneumon japonicus **sp. n.** Japan, ASHMEAD (171) T.c.

Mesoleptus and *Tryphon*; Gravenhorst's types examined and the consequent synonymy recorded, PFANKUCH (81–85, etc., etc.), Zs. Hymenopter. Teschendorf **6.**

Mesostenus octocinctus **sp. n.** Japan, ASHMEAD (175) Washington D.C. U. S. Nation. Mus. Proc. **30.**—*M. rhodesiae lightfooti, elizabethae, levifrons, lissonotus, parvidens, albipalpis*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (145–149), **spp. n.**—*M. tricarinatus* **sp. n.** Quetta, CAMERON (286) Bombay J. Nat. Hist. Soc. **17.**

†*Mesostenus modestus* Colorado, BRUES (492) New York N.Y. Bull. Amer. Mus. **22, sp. n.**

Metopius erythrospilus, nigroornatus, latibalteatus, alboornatus, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (132–136), **spp. n.**—*M. harbecki* **sp. n.** Pennsylvania, SKINNER (150) Ent. News **17.**—*M. recedens* **nom. n.** für *erythropus* Cam., SCHULZ (98) Spolia hymenopt.

Nawaia **gen. n.** *Banchini* (184), *japonica* **sp. n.** Japan (185) pl. xiv f. 3, ASHMEAD Washington D.C. U. S. Nation. Mus. Proc. **30.**

Neobosmina pilosella Simla, CAMERON (250) Entomologist 1906, **sp. n.**

Nesolinoceras **gen. n.** *Cryptini* (294), *espini* **sp. n.** Cuba (295), ASHMEAD Canad. Entomol. **38.**

Nesopimpla **gen. n.** near *Itoplectis, naranyae* **sp. n.** Japan pl. xiii f. 3, ASHMEAD (180) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Nototrachus rufo-orbitalis **sp. n.** Quetta, CAMERON (276) Bombay J. Nat. Hist. Soc. **17.**—*N. novo-guinensis* Neu-Guinea (129), *concolor* Bolivien, *variegatus, intermedius*, Brasilien, (130), **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Odontagrypon **gen. n.**, *carinifrons, spinolotus* **spp. n.**, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (90–91).

Odontomerus nikkoensis **sp. n.** Japan, ASHMEAD (181) Washington U. S. Nation. Mus. Proc. **30.**

Ophion carinatus (274), *peshinensis, quettaensis*, (275), Baluchistan, CAMERON Bombay J. Nat. Hist. Soc. **17, spp. n.**—*O. rufoniger, O.* (*Pachyprotoma*) *capitatus*, Kaukasus, (223), *O.* (*Henicospilus*) *stenopsis* Bucharai, *pseudophia* Tenerife,

O. (*Cymatoneura*) *hannibalis* Tunis, (225), Kohl Wien Ann. Nat. Hist. Hofmus. **20, spp. n.**—*O. diversus* Paraguay, *hyalinipennis* Venezuela, (131), *concolor* Argentinien, *pulcher*, *fuscipennis*, Bolivien, (132), **spp. n.**, Szépligeti Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Ophioneura rufidens, *bidentatus*, S. Africa, Cameron Cape Town Ann. S. Afric. Mus. **5** (85–86), **spp. n.**

†*Orthocentrus primus* Colorado, Brues (495) New York N.Y. Bull. Amer. Mus. **22, sp. n.**

Osprynchotus ruficeps Cape Colony, Cameron Cape Town Ann. S. Afric. Mus. **5** (142), **sp. n.**

Otacustes? rufipes Australia, Cameron (181) Entomologist 1906, **sp. n.**

Otlophorus pictus Europe (= *Tryphon aulicus* Grav. ♂), Pfankuch (95) Zs. Hymenopter. Teschendorf **6, sp. n.**

Oxyjoppa **gen. n.**, *flavobalteata* **sp. n.** Natal, Cameron Cape Town Ann. S. Afric. Mus. **5** (169–170).

Paniscus melanogister Cape Colony, Cameron T.c. (101), **sp. n.**—*P. kashmirensis*, *montanus*, Kashmir, Cameron (29) Bombay J. Nat. Hist. Soc. **17, spp. n.**—*P. incommunis* Australien, *celebensis* N. S. Wales, *novoguineensis* Neu-Guinea, (154), *brasiliensis* Brasilien, *diversus* Venezuela, *opaculus* Bolivien, (155), *fuscipennis*, *liopleuris*, *lucidulus*, Bolivien, (156), **spp. n.**, Szépligeti Ann. Hist.-Nat. Mus. Nat. Hung. **4.**—*P. cephalotes* Holmgr., parasite of larva of *Cerura vinula* (Danish), Nielsen Kjöbenhavn Ent. Medd. **3** 1906 (5–16) pl.

Paracollyria **gen. n.**, *flavipennis*, *fumipennis*, *pulchripennis*, *ruficollis*, **spp. n.**, S. Africa, Cameron Cape Town Ann. S. Afric. Mus. **5** 1906 (106–108).

Paraphylax albiscapus **sp. n.** Japan, Ashmead (173) Washington U. S. Nation. Mus. Proc. **30.**

Paurolêxis **gen. n.** near *Zaporus*, *flavus* **sp. n.** Baluchistan, Cameron (282) Bombay J. Nat. Hist. Soc. **17.**

Periceros **nom. n.** für *Perissocerus* F. Sm., Schulz (99) Spolia hymenopt.

Perithous violaceus Cape Colony, Cameron Cape Town Ann. S. Afric. Mus. **5** (109), **sp. n.**

Phaedraspis **gen. n.** near *Lobocryptus* (196), *rufobalteata* **sp. n.** Sumatra (197); Cameron Entomologist 1906.

Phaedrophadnus **gen. n.**, near *Bathycrisis* (285), *striatus* **sp. n.** Quetta (286), Cameron Bombay J. Nat. Hist. Soc. **17.**

Phaeogenes japonicus **sp. n.** Japan, Ashmead (172) Washington U. S. Nation. Mus. Proc. **30.**—*P. teres* Lanslebourg, Berthoumieu (60) Echange **22, sp. n.**

Phaisura **gen. n.**, *nigriceps* **sp. n.** Cape Town, Cameron Cape Town Ann. S. Afric. Mus. **5** (170–171).

Pharsalia fragilis Wester. ♂ (119), Szépligeti Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Philotymma ? *flaviceps* S. Africa, Cameron Cape Town Ann. S. Afric. Mus. **5** (131), **sp. n.**

Pimpla nursei **sp. n.** Quetta, Cameron (283) Bombay J. Nat. Hist. Soc. **17.**—*P. pluto* **sp. n.** Japan, Ashmead (178) Washington D.C. U. S. Nation. Mus. Proc. **30.**—*P. natalensis*, *melanospila*, *properata*, *hexensis*, S. Africa, Cameron Cape Town Ann. S. Afric. Mus. **5** (114–116), **spp. n.**—*P. parvialba* **sp. n.** Kansas, Viereck (182) Philadelphia Pa. Trans. Amer. Ent. Soc. **32.**—*P. landerensis* **sp. n.** Wyoming, Viereck T.c. (242).—*P. heliophila* Cam., description of ♀, Cameron Cape Town Trans. S. Afric. Phil. Soc. **16** (337).

†*Pimpla appendigera* Colorado, Brues (494) New York N.Y. Bull. Amer. Mus. **22, sp. n.**

Pimplomorpha **gen. n.**, *trilineata* **sp. n.** Transvaal, Cameron Cape Town Ann. S. Afric. Mus. **5** (95).

Pimplopterus japonicus **sp. n.** Japan, Ashmead (176) Washington U. S. Nation. Mus. Proc. **30.**

Platylabus rufoornatus, *maculiscutis*, *alboornatus*, *nigripalpis*, *erythrocephalus*, S. Africa, Cameron Cape Town Ann. S. Afric. Mus. **5** (177–181), **spp. n.**

Pleuroneurophion pruinosus Natal, Cameron T.c. (82), **sp. n.**

Pleuroneurophion giganteus **sp. n.** Malacca (134), Szépligeti Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Podogaster major, medius, Brasilien, (121), *minor, variegatus*, Peru, (122), **spp. n.**, SZÉPLIGETI T.c.

Polyaenus spiniferus **sp. n.** Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (117).

Pristomerus chinensis **sp. n.** Swatow, ASHMEAD (186) Washington U. S. Nation. Mus. Proc. **30**.—*P. celebensis* Celebes, *novo-guineensis* Neu-Guinea, *pulchripennis*, (150), *surinamensis* (151), Surinam, **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4**.

Probolus albocinctus Australia, CAMERON (181) Entomologist 1906, **sp. n.**

Proterocryptus **gen. n.** *Hemitelini, nawaii* **sp. n.** Japan pl. xii f. 3, ASHMEAD (174) Washington U. S. Nation. Mus. Proc. **30**.

Pseudamblyteles peringueyi, erythrospilus, maculicaudis, S. Africa, CAMERON Cape Town Ann. S. Afric Mus. **5** (162–164), **spp. n.**

Rhexidermus japonicus **sp. n.** Japan, ASHMEAD (171) Washington U. S. Nation. Mus. Proc. **30**.

Rhimphalea dubia **sp. n.** Japan, ASHMEAD (182) T.c.

Rhynchexetastes **gen. n.**, *violaceipennis* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (102–103).

Rhynchotrevoria **gen. n.**, *rostrata* **sp. n.** S. Africa, CAMERON T.c. (125).

†*Rhyssa petiolata* Colorado, BRUES (494) New York N.Y. Bull. Amer. Mus. **22, sp. n.**

Ricrena **gen. n.**, *R. pallidipennis* **sp.n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (104–105).

Rossella, **gen. n.**, *violaceipennis* **sp. n.** Transvaal, CAMERON T.c. (176–177).

Rothneyia fortispina Tenasserim, CAMERON (251) Entomologist 1906, **sp. n.**

Saotis flavopunctata Europe, PFANKUCH (218) Zs. Hymenopter. **6, sp. n.**

Schizoloma nigricorne **sp. n.** Ostindien (123), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4**.

Scinascopus japonicus (172), *albomaculatus* (173), Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. **30**.

Skeatia annulipes Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (153), **sp. n.**

Stenaulax **gen. n.**, *pilosulus, niger, rufipes* **spp. n.**, S. Africa, CAMERON T.c. (143–145).

Stenichneumon sapporoensis **sp. n.** Japan, ASHMEAD (170) Washington U. S. Nation. Mus. Proc. **30**.

Stenodontus spilocephalus Simla, CAMERON (228) Entomologist 1906.

Stenomeris **gen. n.** for *Cryptus xanthopus* Br., CAMERON (154) Cape Town Ann. S. Afric. Mus **5**, (154).

Stictophion, **gen. n.**, *nigricans, rufipes*, **spp. n.** S. Africa, CAMERON T.c. (85–87).

Sychnoleter japonicus **sp. n.** Japan, ASHMEAD (182) Washington U. S. Nation. Mus. Proc. **30**.

Syrphoctonus atamiensis **sp. n.** Japan, ASHMEAD (183) T.c.

Temelucha japonica **sp. n.** Japan, ASHMEAD (185) T.c.

Theronia japonica **sp. n.** Japan, ASHMEAD (181) T.c.—*T. hippotigris* Ceylon (234), *zebroides* Sumatra (236), *macrodus* Celebes (237), *limbata* (238), *sulcata*, Ron. isld., *maculosa* Australia (239), *hildebranti* Madagascar, *schmiedeknechti* Java, (319), *steindachneri, dubia*, Australia, (320), **spp. n.**; *zebra* var. n. *continentalis* (237), *atalantae* var. n. *americana* (240), *trivittata* var. n. *bipunctata* (318); KRIEGER Zs. Hymenopter. 6.

Thersilochus pulchripennis **sp. n.** N. S. Wales (151), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4**.

Thyreodon intermedius Brasilien, *pulchricornis* Peru, (133), *zonatus* Bolivien (134), **spp. n.**, SZÉPLIGETI T.c.—*T. morio* n. race? *trasitionalis*, VIERECK (225) Philadelphia Trans. Amer. Ent. Soc. **32**.

Tranosema? striata (276), *spilostoma* (277), Baluchistan, CAMERON Bombay J. Nat. Hist. Soc. **17**, **spp. n.**

Trichomma? cariniscutum, T. brevipenne, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (88), **spp. n.**

Tryphon cf. *Mesoleptus*.

Xanthephialtes **gen. n.** for *Ephialtes oculatus*, CAMERON Cape Town Ann. S. Afric. Mus. **5** (118).

Xanthopimpla natalensis, appendiculata, S. Africa, CAMERON T.c. (110), **spp. n.**—*X. lissonota* (115), *bimaculata* (116), **spp. n.**, Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46.—*X. nana* **nom. n.** für *parva* Cam., SCHULZ (114) Spolia hymenopt.

Xenolytus rufipes Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (154), **sp. n.**—*X. rufipes* **sp. n.**, Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (329).

Xiphosoma nigra **sp. n.** Brasilien (119), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Xiphosomella boliviensis, cremastoides, Bolivien, (120), **spp. n.**, SZÉPLIGETI T.c.

(*Amblyteles canariensis* BERTHOUMIEU, Paris Bul. soc. ent. **1903**, sp. n.)

(*Diadromus cabrerai* BERTHOUMIEU, T.c. sp. n.)

(*Herpestomus rufithorax* BERTHOUMIEU, T.c. sp. n.)

(*Ichneuemon flebilis, kervillei, canariensis, nivaliensis*, BERTHOUMIEU, T.c. spp. n.)

(*Pheogenes fulvidens* BERTHOUMIEU, T.c. sp. n.)

(*Platylabus cabrerai* BERTHOUMIEU T.c. sp. n.)

BRACONIDAE.

Acanthobracon nigripes, maculiceps, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (78–79), **spp. n.**

Acanthorhogas **gen. n.** zwischen *Rhogas* und *Doryctes, setosus* **sp. n.** Brasilien, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4** (609–610).

Acanthormius **gen. n.** *Hormiini, japonicus* **sp. n.** Japan, ASHMEAD (200) Washington U. S. Nation. Mus. Proc. **30.**

Aclitus nawaii **sp. n.** Japan, ASHMEAD (188) pl. xv f. 3 T.c.

Adesia, **gen. n.**, *longicornis* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (79–80).

Agathis? capensis Cape Town, CAMERON T.c. (37), **sp. n.**—*A. albolineata* **sp. n.** New-Guinea, CAMERON Nova Guinea **5** Livr. 1 (47).—*A. latibalteata* Australia, CAMERON (26) Entomologist London **39**, **sp. n.**—*A. infortunata* **nom. n.** für *nigritarsis* Cam., SCHULZ (137) Spolia hymenopt.

Alitha **gen. n.** *Alysiidae, longipennis* **sp. n.** Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** 1906 (28–29).

Apanteles marshalli? **sp. n.**, ? = *formosus*, BIGNELL (275) Ent. Mag. London **42.**—*A. sesamiae* **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (335).—*A. deliadis* Queensland from *Delias argenthona*, BINGHAM (125) London Trans. ent. Soc. 1906, **sp. n.**

Aphidius gifuensis (188), *japonicus, lachnivorus, areolatus*, (189), **spp. n.**, Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. **30.**

Ascogaster atamiensis **sp. n.** Japan, ASHMEAD (191) T.c.

Atanycolus bambalio **sp. n.** Fernando Po, SCHULZ (292) Spolia hymenopt.—*A. peruvianus* **sp. n.** Peru, SZÉPLIGETI (549), Ann. Hist.-Nat. Mus. Hung. **4.**

Atoreuteus austriacus **sp. n.** Wien, (605), SZÉPLIGETI T.c.

Bacuma **gen. n.**, *fumipennis, maculiventris*, **spp. n.**, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (68–69).

Bathyaulax **gen. n.** *Braconinae* (559), *bicolor* (559), *concolor* (560), Deutsch Ost-Afrika **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Batotheca; cf. *Spinaria leucomelaena.*

Binarea pulchripes, fuscipennis, **spp. n.**, Paraguay, SZÉPLIGETI (600) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Bracon; table of British, MORLEY (106–110) Ent. Mag. London **42.**—*B. amorosus* Sokótra, KOHL (123) Hym. Südarab., **sp. n.**—*B. verus* Deutsch Ostafrika, *maroccanus* Marocco, (588), *asiaticus* Ceylon (589), *surinamensis* Surinam and Bolivien, *boliviensis* Bolivien, (591), *rufator* Paraguay, *melanocheirus, communis*, Bolivien, *capitalis* Guadeloupe, *mesocentrus*, (592), *mesomurus, linurus, excisor*, Bolivien, (593), *camptoneurus* Bolivien, *lunatus* Peru, (594), **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**—*B. sesamiae* **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (334).—*B. difficilis* Cape, CAMERON Cape Town

Ann. S. Afric. Mus. **5** (58), **sp. n.**—*B. quettaenis* (105), *iridipennis* (106), **spp. n.**, Quetta, CAMERON Bombay J. Nat. Hist. Soc. **17.**—*B. mosoensis* **sp. n.** New Guinea, CAMERON Nova-Guinea **5** Livr. 1 (43).—*B. turneri* Australia, CAMERON (26) Entomologist London 1906, **sp. n.**—*B. saussurei* **nom. n.** für *pusillus* Sauss (101), *secernendus* **nom. n.** für *congruus* Szépl. (139), *americaecentralis* **nom. n.** für *nicaraguaensis* Cam., *ternatensis* **nom. n.** für *spilogaster* Cam., (140), SCHULZ Spolia hymenopt.

Braconella **gen. n.** *Braconinae, major, minor,* Deutsch Ostafrika, (587), **spp. n.** SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Braunsia madagascariensis Madagaskar (257), *sumbana* Sumba (258), *sucarandana* Sumatra (260), *sumatrana* (262), *bipunctata* (263), Sumatra, **spp. n.**, ENDERLEIN Stettiner ent. Ztg. **67.**

Campyloneurus basalis **sp. n.** Mozambique, SZÉPLIGETI (560) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Cardiochiles; key to South African species, CAMERON Cape Town Trans. S. Afric. Phil. Soc. **16** (331).—*C. nigricollis, erythronotus,* **spp. n.**, Quetta, CAMERON (102) Bombay J. Nat. Hist. Soc. **17.**—*C. albocalcaratus* Sumatra (247), *laevifossa* (248), *javanus* (249), Java, *rufithorax* Guinea (250), *ceylonicus* Ceylon (251), *szepligetii* = (*testaceus* Sz.) (252), **spp. n.**, ENDERLEIN Stettiner ent. Ztg. **67.**

Chelonogastra koebelei (195) pl. xiv f. 3, *pleuralis* (196), **spp. n.**, Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. **30.**

Chelonus areolatus, fortispinus **spp. n.**, Quetta, CAMERON (103) Bombay J. Nat. Hist. Soc. **17** (103).—*C. erythropus* (33), *vaalensis, curvimaculatus,* (34), S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5, spp. n.**

Chremylus japonicus **sp. n.** Japan, ASHMEAD (200) Washington U. S. Nation. Mus. Proc. **30.**

Clinocentrus hungaricus Budapest (607), *seminiger* Bolivien (608), **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Colastes Hal.; Übersicht der Arten, SZÉPLIGETI T.c. (606).

Conspinaria **nom. n.** für *Paraspinaria* Cam. Spolia zeylan., SCHULZ (139) Spolia hymenopt.

Cremnops borneana **sp. n.** Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (113).

Cystomastax minor **sp. n.** Brasilien, SZÉPLIGETI (609) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Dapsilotoma **gen. n.** *Microgasterinae* (101), *testacipes* **sp. n.** Quetta, CAMERON Bombay J. Nat. Hist. Soc. **17.**

Dinotrema signifrons **sp. n.** Kansas, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32.**

Disophrys rufa, testacea, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (38), **spp. n.**—*D. tinctipennis* **sp. n.** Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (112).

Doryctes; Übersicht der Arten, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4** (603–604).

Ephedrus japonicus **sp. n.** Japan, ASHMEAD (187) Washington U. S. Nation. Mus. Proc. **30.**

Esenga **gen. n.**, *ovata* **sp. n.** Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (36).

Euagathis fuscipennis (45), *papua* (46), **spp. n.**, New-Guinea, CAMERON Nova Guinea **5** Livr. 1.

Exothecus elizabethae, pulchripennis, flaviceps, flavofasciatus, forticornis, canaliculatus, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (72–75), **spp. n.**

Folchinia **gen. n.** (113), *halterata* Sardinia, *brevipennis,* Italy, **spp. n.**, (114), KIEFFER Bruxelles Ann. Soc. Sci. **30,** Mém.

Gastrotheca bilobata Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. **5** (35), **sp. n.**

Glyptapanteles politus, minor, femoratus (192), *G.* (*Apanteles*) *japonicus, nawaii,* (193), **spp. n.**, Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. **30.**

Glyptomorpha apicalis **sp. n.** Deutsch-Ost-Afrik., *G. baetica* var. n. *mauritanica,* SZÉPLIGETI (548) Ann. Hist.-Nat. Mus. Hung. **4.**

Goniobracon **gen. n.** *Braconinae* for *perspicax* Szép. etc., SZÉPLIGETI (581) T.c.

Habrobracon; Synopsis der Arten, SZÉPLIGETI T.c. (594-595).

Hemibracon **gen. n.** *Braconinae, peruiensis* etc. SZÉPLIGETI T.c. (558).

Heterogamus fasciatipennis, thoracicus, **spp. n.**, Japan, ASHMEAD (198) Washington U. S. Nation. Mus. Proc. **30.**

Heterospilus boliviensis **sp. n.** Bolivien (596), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Hewittella **gen. n.** near *Odesia* (287), *flavomaculata* Borneo (288) **sp. n.**, CAMERON Zs. Hymenopter. 6.

Hybodoryctes **gen. n.** for *Doryctes bicolor* Szépl. (604), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Hybogaster **gen. n.** *Braconinae* for *gibberosus* Szépl. ♀, SZÉPLIGETI (581) T.c.

Hybothorax **gen. n.** *Braconinae* (556), SZÉPLIGETI T.c.

Iphiaulax insularis Cypern (583), *laeviusculus* Madagascar, *tegularis* Süd-Afrika, (585), **spp. n.**, SZÉPLIGETI T.c.—*I. agnata* S. Arabia, KOHL (120) Hym. Südarab., **sp. n.**—*I. xanthocarpus, xanthopterus,* (41), *longicoxis, havilandi,* (42), *durbanensis* (43), *levissimus* (44), *meridionalis* (45), *mediator, coccineomaculatus,* (46), *varipalpis* (48), *tanyceras* (49), *varitinctus, decorus,* (50), *dodsi, lativentris,* (51), *calviniae, erythrostomus,* (53), *rhodesianus* (54), *trichiosomus,* (55), *xanthostomus,* (56), *robustus* (57), *mimeticus* (58), S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** 1906, **spp. n.**—*I. hewittii* (104), *sadongensis* (105), *curvinervis* (106), *imaus* (107), *triornatus* (108), *alboornatus* (109), **spp. n.**, Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46.—*I. papuanus* **sp. n.** New-Guinea, CAMERON Nova Guinea **5** Livr. 1 (44).—*I. inacceptus* **nom. n.** für *basimacula* Cam., *successor* **nom. n.** für *megapterus* Cam., SCHULZ (140) Spolia hymenopt.

Ipobracon novo-caledonicus, minor, Neu-Caledonien, (564), *albofasciatus* Bolivien, *dominus* Paraguay, (570), *schrottkyi* Paraguay, *honoratus, flavicarpus, disparatus,* Bolivien, (571), *praecellens* Bolivien, *lustrator* Paraguay, (572), *honestus* Surinam, *trinidadensis* Trinidad, *luctuosus* Bolivien, (573), *pudens, pseudovipis, glyptomorphus, nemorivagus,* Paraguay, (574), *poultoni* Brasilien, *mysticus* Paraguay, *surinamensis* Surinam, (575), *plebejus* Surinam, *dispar* Peru, *hemisphaericus* Bolivien, (576), *scitus, scitulus, nebulosus,* Surinam, (577), *floririnis, dives, pumicatus, melanoderes,* Surinam, (578), *inaequalis, subpartitus, tripartitus,* Surinam, (579), *feronia* Bolivien, *posthumus* Surinam, (580), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4, spp. n.**

Ischiogonus hakonensis, **sp. n.** Japan, ASHMEAD (199) Washington U. S. Nation. Mus. Proc. **30.**

Kahlia secunda **sp. n.** Japan, ASHMEAD (187) T.c.

Latana, **gen. n.** for *L. excavata,* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (77-78).

Leptobracon minor **sp. n.** Surinam, SZÉPLIGETI Ann. Hist.-Nat. Mus. Hung. **4** (548).

Libyophilus **gen. n.** *Alysiinae, villosus* **sp. n.** Algeria, KIEFFER (115) Bruxelles Ann. Soc. Scient. **30.**

Liodoryctes **gen. n.** for *Acanthobracon australiensis* Szépl., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4** (599).

Lysiphlebus japonicus **sp. n.** Japan, ASHMEAD (190) Washington U. S. Nation. Mus. Proc. **30.**

Macrocentrus gifuensis **sp. n.** Japan, ASHMEAD (191) T.c.—*M. rufo-testaceus, fuscipes,* (104), **spp. n.** Quetta, CAMERON Bombay J. Nat. Hist. Soc. **17.**

Macrodyctium flavipes **sp. n.** Japan, ASHMEAD (195) Washington U. S. Nation. Mus. Proc. **30.**

Macronura **gen. n.** *Braconinae* for *mirabilis* Szep. etc., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Macrostomion lucidus **sp. n.** Bolivien, SZÉPLIGETI (608) T.c.

Megabracon **gen. n.** *Braconinae* (580), *mirus* Szép. etc., Id. T.c.

Megagonia **gen. n.** verwandt mit *Iphiaulax* Szépl., *persimilis, rufa, seminigra,* Deutsch-Ostafrika, **spp. n.**, SZÉPLIGETI (582) T.c.

Megalommum nigriceps **sp. n.** New-Guinea, CAMERON Nova Guinea **5** Livr. 1.

Meganura **n. gen.** *Braconinae*, for *insignis* Sm. and *major* Szep., SZÉPLIGETI (552) Ann. Hist.-Nat. Mus. Hung. **4.**

Megaproctus unifasciatus **sp. n.** Boliven, SZÉPLIGETI (601) T.c.

Melanobracon tibialis **sp. n.** Japan, ASHMEAD (195) Washington U. S. Nation. Mus. Proc. **30.**—*M. ulmicola* **sp. n.** Kansas, VIERECK (176) Philadelphia Trans. Amer. Ent. Soc. **32.**

Merinotus **gen. n.** verwandt mit *Iphiaulax* (553), *atripennis* Deutsch Ostafrika (553), *bicostatus*, *striatus*, Südafrika, *zanzibaricus* Zanzibar, (554), *seticaudis* Sumatra (555), **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Mesobracon niger Afrika (596), *concolor* Mosambique, *similis* Sierra Leone, (597), **spp. n.**, SZÉPLIGETI T.c.

Meteorus japonicus **sp. n.** Japan, ASHMEAD (190) Washington U. S. Nation. Mus. Proc. **30.**—*M. eumenidis*, larva, BRUCH (225) pl. figs. 8–10 Revist. Mus. La Plata **11.**—*M. australis*, TOSQUINET (55) pl. ii f. 6 Résult. Belgica, Zoologie.

Microbracon japellus **sp. n.** Japan, ASHMEAD (196) Washington U. S. Nation. Mus. Proc. **30.**

Microdus? *ambiguus* S. Arabia, KOHL (126) Hym. Südarab., **sp. n.**

Microgaster basalis (125), *perelegans* (126), Queensland, BINGHAM London Trans. ent. Soc. 1906, **spp. n.**

†*Microgaster primordialis* Colorado, BRUES (496) New York N.Y. Bull. Amer. Mus. **22, sp. n.**

Microgasteridae; hosts and habits of some European, MORLEY Entomologist 1906 (99–105).

Microplitis atamiensis, *sapporoensis*, **spp. n.**, Japan, ASHMEAD (194) Washington U. S. Nation. Mus. Proc. **30.**

Minanga **gen. n.** (30), *serrata* **sp. n.** Cape Colony (31), CAMERON Cape Town Ann. S. Afric. Mus. **5** 1906 (31).

Monarea diversa, *nigricoxa*, (601), *caudata* Peru (602), **spp. n.**, SZÉPLIGETI Ann. Hist. Nat. Mus. Nat. Hung. **4.**

Myosoma brulléi **sp. n.** Bolivien, SZÉPLIGETI (587) T.c.

Neoclinocentrus **gen. n.** verwandt mit *Clinocentrus*, *variegatus* **sp. n.** Bolivien, SZÉPLIGETI (608) T.c.

Neorhogas **gen. n.** verwandt mit *Rhogas* Nees (605), *luteus* **sp. n.** Ungarn (606), SZÉPLIGETI T.c.

Neotrimorus insularis **sp. n.** Fernando Po, SCHULZ (293) Spolia hymenopt.—*N. nigrobalteatus* **sp. n.** Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (111).

Odontogaster **gen. n.** near *Iphiaulax*, *minor* **sp. n.** Deutsch-Ost-Afrika, SZÉPLIGETI Ann. Hist.-Nat. Mus. Hung. **4** (551).

Odontoscapus kriechbaumeri Aden, KOHL (121) Hym. Südarab, **sp. n.**

Opius dacusi Ceylon, CAMERON (280) Spolia zeylan **3, sp. n.**

Orgilus nigromaculatus **sp. n.** Quetta, CAMERON (105) Bombay J. Nat. Hist. Soc. **17.**

Pachylomma cremieri, association with *Lasius*; COBELLI (475) Wien Verh. zool.-bot. Ges. 1906.

Perilitus ruficollis S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. **5** (29), **sp. n.**

Phaenocarpa formosae **sp. n.** Japan, ASHMEAD (186) Washington U. S. Nation. Mus. Proc. **30.**

Phanerotoma flava **sp. n.** Japan, ASHMEAD (191) T.c.—*P. ocularis* Sokótra (124), *saussurei* Madagascar, *sareptana* Sarepta, (125), KOHL Hym. Südarab., **spp. n.**

Phanomeris hungaricus **sp. n.** Budapest, SZÉPLIGETI (595) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Plastobelyta **gen. n.** incertae sedis (116), *gallicola* **sp. n.** Chile (117), KIEFFER Bruxelles Ann. Soc. Scient. **30.**

Platybracon conradti **sp. n.** Fernando Po, SCHULZ (290) Spolia hymenopt.—*R. mimax* S. Celebes, KOHL (122) Hym. Südarab., **sp. n.**

Protapanteles rufiventris Queensland, BINGHAM (127) London Trans. ent. soc. 1906, **sp. n.**—*P.*? nigrescens **sp. n.** Quetta, CAMERON (102) Bombay J. Nat. Hist. Soc. **17.**

Pseudobracon concolor **sp. n.** Afrika, SZÉPLIGETI (596) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Rhadinobracon **gen. n.** verwandt mit *Iphiaulax*, *luteus* Ceylon, (556), *breviscapus* Bolivien (557), *tuberculatus* Surinam, *apicalis* Bolivien, *cylindroscapus* Surinam, (558), **spp. n.**, Szépligeti T.c.

Rhogas fuscomaculatus (198), *japonicus* (199), **spp. n.**, Japan, Ashmead Washington U. S. Nation. Mus. Proc. **30.**—*R. melanocephalus*, *melanocerus*, S. Africa, Cameron Cape Town Ann. S. Afric. Mus. **5** (71), **spp. n.**—*R. diversus* Croatien, *hungaricus* Budapest, *corsicus* Corsica, (616), *longipes* Deutsch Ostafrika, *politus* Australien, (617), **spp. n.**, Szépligeti Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

†*Rhogas tertiarius* Colorado, Brues (496) New York N.Y. Bull. Amer. Mus. **22, sp. n.**

Rhoptocentrus syrmiensis **sp. n.** Slavonien., Szépligeti (602) Ann. Hist.-Nat. Mus. Nat. Hung., **4.**

Rhytimorpha nigriceps **sp. n.** Mozambique, Szépligeti (551) T.c.

Schiztobrachon **gen. n.**, *S. ornatipennis*, S. Africa, **sp. n.**, Cameron Cape Town Ann. S. Afric. Mus. **5** (70).

Schonlandella testacea, *fulviventris*, S. Africa, Cameron T.c. (39–40), **spp. n.**

Semirhytus concolor, *niger*, Bolivien, **spp. n.**, Szépligeti (610) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Spathius; Übersicht der Arten, Szépligeti T.c. (598).

Spinaria flavipennis (205), *chotanensis* (206), N. India, **spp. n.**; *S. leucomelaena* Westw. to *Batotheca* (205); Cameron Entomologist 1906.—*S. westwoodi* **sp. n.** Borneo; Cameron Singapore J. Straits R. As. Soc. No. 46 (109).

Spinariella **gen. n.** *Exothecinae*, for *mutica* Szépl. Celebes, Szépligeti (595) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Telerda **gen. n.**, *maculiceps*, *nigriceps*, **spp. n.**, S. Africa, Cameron Cape Town Ann. S. Afric. Mus. **5** (75–76).

Trachybracon **gen. n.** *Braconinae*, *granulatus* Szépl. Congo, Szépligeti (552) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Trichodoryctes **gen. n.** for *Acanthobracon striolatus* Szépl., Szépligeti (599) T.c.

Trigastrotheca **gen. n.** for *triobata*, **sp. n.**, Cameron Cape Town Ann. S. Afric. Mus. **5** (32).

Vipio avunculus S. Arabia, Kohl (123) Hym. Südarab., **sp. n.**—*V. nursei* (106), *unicolor* (107), **spp. n.**, Quetta, Cameron Bombay J. Nat. Hist. Soc. **17.**—*V. nomas* Transcaspian (246), *kirmanensis* (248), *nigrirostris* (249), Persia, *V.* (*Teraturus*) *roborowskii* China (Gobi) (250), Kokouyew St. Peterburg Ann. Mus. Zool. Ac. Sci. **10, spp. n.**—*V. trimaculatus* (60), *tinctipennis*, *pallidinervis*, (61), *maculiceps* (62), *nigripalpis*, *natalensis*, (63), *stictonotus*, *fumipennis*, (64), *longicaudis* (65), *spilocephalus*, *quinquemaculatus*, (66), *sexfoveatus* (67), S. Africa, Cameron Cape Town Ann. S. Afric. Mus. **5, spp. n.**—*V. paraguayensis* **sp. n.** Paraguay, Szépligeti (157) Ann. Hist.-Nat. Mus. Hung. **4.**

Xenobius albipes **sp. n.** Japan, Ashmead (197) Washington U. S. Nation. Mus. Proc. **30.**

Xiphozele **gen. n.** *Zelini* (204), *compressiventris* **sp. n.** Himalaya (205); Cameron Entomologist 1906.

Zaglyptogastra abbottii **sp. n.** Japan, Ashmead (197) pl. xv f. 4 Washington U. S. Nation. Mus. Proc. **30.**

Zombrus similis **sp. n.** Deutsch-Ost-Afrika (600), Szépligeti Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Evaniidae.

Aulacus holtzi **sp. n.** Kleinasien, Schulz (130) Spolia hymenopt.

Brachygaster liiderwaldti (241), *laevis* (244), Brasilien, **spp. n.**, Enderlein Stettiner ent. Ztg. **67.**

Evania nurseana **sp. n.** Quetta, Cameron (99) Bombay J. Nat. Hist. Soc. **17.**—*E. rimosa* Fernando Po (228), *satanas* (231), *setosa* (233), *simillima*, *rimiceps*, (236), Sumatra, *hirsuta* Malacca, with var. *rufofemorata*, (238), Enderlein Stettiner ent. Ztg. **67, spp. n.**; *E. appendigaster* distinctions (228), *orientalis* varr. n. *nigritarsis* and *tibialis* (230), *sumatrensis* var. n. *xanthops* (235), *kriegeriana* var. n. *trochanterica* (241), Id. T.c.—*E. broomi* **sp. n.** Cape Town, Cameron Trans. S. Afric. Phil. Soc. **16** (331).—*E. peringueyi* (19), *meridionalis* (20), *fulvospinosa* (21), Cameron Cape Town

Ann. S. Afric. Mus. **5, spp. n.**—*E. de-meyerei* **sp. n.** New-Guinea, CAMERON Nova Guinea **5** Livr. 1 (42).—*E. taschenbergi* **nom. n.** für *rufa* Tasch., SCHULZ (134) Spolia hymenopt.

Gasteruption leptocephalum, crassiventre, pulchripenne, johannis, maculiceps, spilopus, CAMERON Cape Town Ann. S. Afric. Mus. **5** (22–27), **spp. n.**—*G. baluchistanense, quettaense*, (100), **spp. n.**, Quetta, CAMERON Bombay J. Nat. Hist. Soc. **17.**—*G. kashmirense* **sp. n.** Kashmir, CAMERON (292) T.c.—*G. paraguayense* (56), *petroselini* (57), *subtropicale* (58), *annulitarse, parvum*, (59), *brachychaetum* (60), **spp. n.**, Paraguay, SCHROTTKY Zs. Hymenopter. **6.**

Pristaulacus fasciatipennis **sp. n.** Borneo, CAMERON Singapore J. Straits R. As. Soc. No. 46 (103).—*P. decemdentatus* Brazil (119), *proximus* Barcelona (120), *polychromus* Brazil (122), KIEFFER Bruxelles Ann. Soc. scient. **30, spp. n.**

Pseudofoenus neotropicus Paraguay, SCHROTTKY Zs. Hymenopter. **6** (62), **sp. n.**

MEGALYRIDAE.

Megalyra revised; *mastersi* (402), *variegata, kalgoorliensis, punctata*, (404), *viridescens, frenchi*, (405), *lyelli, hirsuta, minuta*, (406), **spp. n.**, Australia, FROGGATT Sydney N.S.W. Proc. Linn. Soc. **31.**

TRIGONALIDAE.

Trigonaloiden des königlichen zoologischen Museums in Berlin, SCHULZ Berlin Mitt. zool. Mus. **3** (203–212).

Bertonia **gen. n.** (349), *nigra* **sp. n.** Paraguay (350), SCHROTTKY Zs. Hymenopter **6.**

Lycogaster celebesiensis, SCHULZ Ann. Hist.-Nat. Mus. Nat. Hung. **4** (263–268) mit 3 Fig.

Nanogonalos **gen. n.** for *Trig. fasciatipennis* Cam., SCHULZ (211, 212) figs. Berlin Mitt. zool. Mus. **3.**

Pseudogonalos **gen. n.** for *Trig. hahni*, SCHULZ (211) Berlin Mitt. zool Mus. **3.**—*P. hahni*, SCHULZ (272) Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Poecilogonalos? **gen. n.**, SCHULZ (212) Berlin Mitt. zool. Mus. **3.**

Taenigonalos? **gen. n.**, SCHULZ (212) T.c.

Seminota taschenbergi Brazil **sp. n.** (=*Trigonalys depressa* End. 1905); SCHULZ (206) T.c.; also SCHULZ Zs. Hymenopter. **6** (390).

Seminota = (*Bertonia*), *S. taschenbergi* =(*B. nigra* Schr.), SCHULZ (393) Zs. Hymenopter. **6.**

Trigonalos melanoleuca, SCHULZ (269) Ann. Hist.-Nat. Mus. Nat. Hung. **4**; full characters ♂ ♀, SCHULZ (207–209) Berlin Mitt. zool. Mus. **3.**

STEPHANIDAE.

The genera of *Stephanidae*, ENDERLEIN (290) Stettiner Ent. Ztg. **67.**

Diastephanus dolvini (291), *carinifrons* (293), Sumatra, *maculifemur* Malacca (294), *parviceps* Sumatra (296), **spp. n.**, ENDERLEIN T.c.

Foenatopus albomaculatus Rhodesia, CAMERON Cape Town Ann. S. Afric. Mus. **5** (16), **sp. n.**—*F. indicus* varr. n. *sulcaticollis* and *sumbana*, ENDERLEIN (298) Stettiner ent. Ztg. **67.**

Hemistephanus **gen. n.** typus *H. macrurus* Schlett. (301), *peruanus* Peru (302), *pehlkei* Columbien (304), **spp. n.**, ENDERLEIN Stettiner ent. Ztg. **67.**

Neostephanus camerunus **sp. n.** Kamerun, ENDERLEIN (299) T.c.

Parastephanellus **nom. n.** für *Parastephanus pygmaeus* Enderl., ENDERLEIN (301) T.c.

†*Protostephanus* **gen. n.** *Stephanidae*, (57), *ashmeadi* **sp. n.** Florissant (58), COCKERELL Cambridge Bull. Mus. Harvard **50.**

Stephanus (*Foenatopus*) *fernandopoensis* **sp. n.** Fernando Po (273), SCHULZ Spolia hymenopt.—*S. malayanus* **sp. n.** New-Guinea, CAMERON Nova Guinea **5** Livr. 1 (43).

(*Megischus ruficeps*, and *borneensis* SAUSSURE, Mission Pavie, **3**, spp. n.)

CHALCIDIDAE.

Aëpocerus doliariae (178), *absconditus* (179), Südbrasilien, *sundaicus* Insel Norsa Kembangan bei Java (180), **spp. n.**, MAYR Entomol. Ztg. Wien **25.**

Ageniaspis fuscicollis, sviluppo e parasitismo endofago in *Prays oleellus*, SILVESTRI Roma Rend. Acc. Lincei **15** 1° (650–657).

Anastatus pipunculi **sp. n.** Queensland, PERKINS (262) Honolulu Exp. Stat. Bull. **1.**

Anusia xerophila **sp. n.** Texas, BRUES (61) Ent. News **17.**

Aphelopus varicornis **sp. n.**, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**

Apocrypta longitarsus **sp. n.** Kamerun, MAYR Entomol. Ztg. Wien **25** (163).

Blastophaga puncticeps **sp. n.** Insel Norsa Kembangan bei Java, MAYR T.c. (156).

Bruchophagus funebris, WEBSTER Washington Cir. U. S. Dept. Agric. Bur. Ent. No. **69.**

Camarothorax **gen. n.** (182), *obscurus* Norsa Kembangan bei Java (184) **sp. n.**, MAYR Entomol. Ztg. Wien **25.**

Ceratosolen striatus Java, *emarginatus* Tongking, (153), *arabicus* Gebel Bura, *acutatus* Kamerun, (154), *marchali* Tongking (155), **spp. n.**; *C. fuscipes* ♂ (153); MAYR T.c.

Chalcerinys **gen. n.** *Encyrtidae* (258), *eximia* **sp. n.** Sydney (259), PERKINS Honolulu Exp. Stat. Bull. **1.**

Chalcis fulvitarsis **sp. n.** Quetta, *Chalcis responsator* Walk., CAMERON (94) Bombay J. Nat. Hist Soc. **17.**—*C. ornatipes* **sp. n.** Kashmir, CAMERON (290) T.c.—*C. ashmeadi* **nom. n.** für *tarsalis* Ashm., SCHULZ (150) Spolia hymenopt. —*C. obscurata* Walk., habits etc., BANKS (215) Philipp. J. Sci. **1.**

Cheiloneurus gonatopodis, chlorodryini, Queensland, PERKINS (261) Honolulu Exp. Stat. Bull. No. **1, spp. n.**

Chryseida pachymeri **sp. n.** Paraguay, on *Pachymerus*, SCHROTTKY Zs. wiss. Insektenbiol. **2** (101).

Comperiella **gen. n.** *Encyrtidae* (121), *bifasciata* **sp. n.** China (122), HOWARD Ent. News **17** (121–129).

Critogaster characters of ♀; *C. pinnata* **sp. n.** Para, MAYR Entomol. Ztg, Wien **25** (172, 173).

Deutereulophus **nom. n.** für *Eulophopteryx* Ashm., SCHULZ (146) Spolia hymenopt.

Diaulinus **nom. n.** für *Diaulus* Ashm., SCHULZ (146) T.c.

Dilaelaps **nom. n.** für *Laelaps* Walk. (144), *tapajoana* **nom. n.** für *ferruginea* Ashm. (145), SCHULZ T.c.

Dirrhinus erythroceras Quetta, CAMERON (92) Bombay J. Nat. Hist. Soc. **17.**

Dynatogmus **gen. n.** (181), *robustus* Kamerun (182) **sp. n.**; MAYR Entomol. Ztg. Wien **25.**

Echthrobaccha **gen. n.** *Encyrtidae* (253), *injuriosa* **sp. n.** Queensland (254), PERKINS Honolulu Exp. Stat. Bull. **1.**

Echthrodryinus **gen. n.** *Encyrtidae*, (252), *destructor* **sp. n.** Queensland (253), PERKINS T.c.

Echthrogonatopus **gen. n.** *Encyrtidae*, *exitiosus* Queensland (256), *pachycephalus* Ohio (257), **spp. n.**, PERKINS T.c.

Ectopiognatha **gen. n.** *Encyrtidae* (254), *minor*, *major*, **spp. n.**, (255), PERKINS T.c.

Eiseniella **nom. n.** for *Eisenia* Ashm.; ASHMEAD (31) Washington Proc. Ent. Soc. **8.**

Etroxys xanthopus, *marginicollis*, Quetta, **spp. n.**, CAMERON Bombay J. Nat. Hist. Soc. **17** (97).

Eukoebelea gigas Yemen (164), *camerunensis* Kamerun (165), **spp. n.**, MAYR Entomol. Ztg. Wien **25.**

Eulophus guttiventris **sp. n.** Washington, GIRAULT Ent. News **17** (305–307).

Eupristina aurivillii **sp. n.** Timor, MAYR Entomol. Ztg. Wien **25** (160).

Eusalandalum pici **sp. n.** Paraguay, on *Pachymerus*, SCHROTTKY (101) Zs. wiss. Insektenbiol. **2.**

Eutelus caconymus **nom. n.** für *apicalis* Westw., SCHULZ (143) Spolia hymenopt.

Fulgoridicida **gen. n.** *Encyrtidae*, *dichroma* **sp. n.** Queensland, PERKINS (250) Honolulu Exp. sta. Bull. **1.**

Halticella subelongata S. Arabia, KOHL (117) Hym. Südarab., **sp. n.**

Helegonatopus **gen. n.** *Encyrtidae* (257), *pseudophanes* **sp. n.** Ohio (258), PERKINS Honolulu Exp. Stat. Bull. **1.**

Leucospis quettaensis (91), *nursei* (92), **spp. n.**, Quetta, CAMERON Bombay J. Nat. Hist. Soc. **17.**—*L. bicincta* **sp. n.**

Arizona, VIERECK (227) Philadelphia Trans. Amer. Ent. Soc. **32.**—*L. affinis*, habits and life-history, GRAENICHER Milwaukee Bull. Wiss. Nat. Hist. Soc. **4** (153–159) with pl.

Litomastix truncatellus, development in *Plusia*, sexed and asexual larvae etc.; SILVESTRI Portici Ann. Scuola sup. Agric. **6** (1–51, sep. pag.) 5 plates.

Megacolus pruinosus **sp. n.** Quetta, CAMERON (93) Bombay J. Nat. Hist. Soc. **17.**

Megalostigmus xanthopus **nom. n.** für *flavipes* Ashm., SCHULZ (147) Spolia hymenopt.

Megastigmus spermotrophus, phytophagous habits, MACDOUGALL (52–65) 2 plates Edinburgh Trans. R. Scot. arbor. Soc. 1906.

Meniscocephalus **gen. n.** *Encyrtidae, eximius* **sp. n.** Queensland, PERKINS (249) Honolulu Exp. Stat. Bull. **1.**

Metapelma mirabilis **sp. n.** Cape Colony, BRUES (103–112) Milwaukee Bull. Wis. Nat. Hist. Soc. **4, sp. n.**

Microterys coeruleus Queensland, BINGHAM (127) London Trans. ent. Soc. 1906, **sp. n.**

Neochalcis? forticaudis **sp. n.** Quetta, CAMERON (96) Bombay J. Nat. Hist. Soc. **17.**

Neocladia **gen. n.** *Encyrtidae, howardi* **sp. n.** Queensland, PERKINS (251) Honolulu Exp. Stat. Bull. **1.**

Heterandrium subalatum **sp. n.** Kamerun, MAYR Entomol. Ztg. Wien **25** (177).

Oncochalcis quettaensis (94), *rufescens* (95), **spp. n.**, Quetta, CAMERON Bombay J. Nat. Hist. Soc. **17.**

Ootetrastichus beatus **sp. n.** Queensland, PERKINS (263) Honolulu Exp. Stat. Bull. **1.**

Paraphelinus **gen. n.** *Aphelininae, xiphidii* **sp. n.** Hawaii, PERKINS (264) T.c.

Parasaphodes **nom. n.** für *Parasaphes* Ashm., SCHULZ (146) Spolia hymenopt.

Philotrupesis pilosa Java and Tongking (174), *unispinosa* Insel Norsa Kembangan bei Java (175), *longicaudata* Tongking (176), **spp. n.**, MAYR Entomol. Ztg. Wien **25.**

Physothorax serratus **sp. n.** Südbrasilien, MAYR T.c. (185).

Pleistodontes froggatti **sp. n.** Neusüdwales, MAYR T.c. (157).—*P. imperialis* Frogg. and *Idarnes australis* Frogg. = ♂ and ♀ of *Sycoryctes australis* (Frogg.), MAYR (170) T.c.

Polistomorpha nitidiventris Obidos, DUCKE (163) Paris Bull. Soc. ent. **1906, sp. n.**

Prospalta berlesei Brit. Columbia on *Diaspis*, HOWARD (391) Redia **3, sp. n.**, also (292) Ent. News **17.**

Pterygogramma **gen. n.** *Trichogrammidae, acuminata* **sp. n.** Queensland, PERKINS (265) Honolulu Exp. Stat. Bull. **1.**

Rhipipallus affinis Queensland, BINGHAM London Trans. ent. soc. 1906, **sp. n.**

Saronotum **gen. n.** *Encyrtidae* (259), *australiae* Queensland, *americanum* Ohio, (260), **spp. n.**, PERKINS Honolulu Exp. Stat. Bull. **1.**

Schizaspidia doddi Queensland from *Camponotus*, BINGHAM (130) London Trans. ent. Soc., **sp. n.**

Secundeisenia **nom. n.** für *Eisenia* Ashm., SCHULZ (146) Spolia hymenopt.

Stomatoceras fasciatipennis Queensland, BINGHAM (128) London Trans. ent. soc. 1906, **sp. n.**

Sycophaga spinitarsus Java, *vicina* Kamerun, (163), **spp. n.**, MAYR Entomol. Ztg. Wien **25.**

Sycophila globiceps (184), *brasiliensis* (185), Südbrasilien, **spp. n.**, MAYR T.c.

Sycoryctes tibialis, excellens, Timor, (166), *sjöstedti* Kamerun (167), *subtilis* Insel Norsa Kembangan bei Java (169), **spp. n.**, MAYR T.c.

Syntomaspis pubescens, Lebensweise; MOKRZECKI Zs. wiss. Insektenbiol. **2** 1906 (390–392).

Tomocera ceroplastis China, PERKINS (76) Honolulu Proc. Hawai. ent. Soc. **1, sp. n.**

Torymus nigricornis, Oenocytes, WEISSENBERG Zool. Jahrb. Abt. f. Anat. **23** (231–268) 1 Taf.

Trichogramma pretiosa var. n. *nigra* (82), heredity (81), GIRAULT Canad. Entomol. **38**; Oviposition, GIRAULT Psyche **13** (137–148).

(*Coelocyba viridilineata* N. S. Wales, FROGGATT, Agric. Gaz. Sydney, N.S.W., **16**, (233 fig.) sp. n.)

(*Megastigmus brachychitoni* N. S. Wales, FROGGATT, T.c. (233) fig. sp. n.)

PROCTOTRYPIDAE (incl. Mymaridae and Bethylidae).

Proctotrypid hosts and parasites; PERKINS Honolulu exp. Stat. Bull. **1** (xxi–xxiv).

Recherches sur la biologie et le développement des Hyménoptères parasites. Les Platygasters. MARCHAL, Arch. zool. Paris **4** 1906 (485–640) pl. x.

Aclista nevadensis **sp. n.** N. America, KIEFFER (277) Berliner ent. Zs. **50.**

Allepyris microneurus, nigricrus, France, (417), *ruficrus* Italy (418), KIEFFER Hym. Eur. Alg. **9, spp. n.**

Anagrus atomos natural history, PIERRE (117–119) Rev. Sci. Bourbon 1906.

Anisepyris **gen. n.** *Bethylides* (137), *aeneus* (138), *fasciipennis*, Nicaragua, *punctaticeps* Nevada, (27), *sublevis* Nicaragua (28), **spp. n.**, KIEFFER Bruxelles Ann. Soc. scient. **30.**—*Anisepyris* gen. n., *aeneus* Kieff., etc.; KIEFFER (240) Berliner ent. Zs. **50.**

Anisobrachium incertum Italy, KIEFFER (295) Hym. Eur. Alg. **9, sp. n.**

Anteon unicarinatus (512), *tricarinatus, fuscicollis*, (513), *claricollis* (514), *longitarsis* (516), *brevifilis, curvatus*, (517), *longifilis* (518), *halidayi* (520), Britain, KIEFFER Hym. Eur. Alg. **9, spp. n.**—*A. bakeri* (239), *rugosiceps* (238), N. America, **spp. n.**, KIEFFER Berliner ent. Zs. **50.**

Aphelopus leucopus Nicaragua **sp. n.**, KIEFFER T.c. (239).

Arsepyris bifoveatus (339), *merceti*, Spain, *pedestris* Corfu, (340), KIEFFER Hym Eur. Alg. **9, spp. n.**

Atritomus californicus San Mateo, **sp. n.**, KIEFFER (256) Berliner ent. Zs **50.**

Bakeria complanata **sp. n.**, Nicaragua KIEFFER T.c. (50).

Belyta nigripes Claremont, *rufipes* Nicaragua, **spp. n.**, KIEFFER (280) T.c.

Bethylus prolongatus Prov., KIEFFER (255) T.c.

Bocchus flavipes Nevada **sp. n.**, KIEFFER (237) T.c.

Bradepyris apterus Tunis (374), *inermis* Casablanca (375), KIEFFER Hym. Eur. Alg. **9, spp. n.**

Caloteleia bidentata (16), *subdentata* (17), Nouvelle Guinée, KIEFFER Genova Ann. Mus. **42, spp. n.**

†*Calyoza ramosa* Zanzibar copal, MEUNIER (59) Rev. Sci. Bourbon 1906, **sp. n.**

Cephalonomia giraudi (454), *mycetophila* (455), France, *brevipennis* England (458), *rufa* France (460), *nigrescens* Pyrenees (461); KIEFFER Hym. Eur. Alg. **9, spp. n.**

Ceraphron glabricornis, nevadensis, Nevada, **spp. n.**, KIEFFER (260) Berliner ent. Zs. **50.**—*C. brevicornis, quissetensis*, N. America, BRUES (143–152) Milwaukee Bul. Wis. Nat. Hist. Soc. **4, spp. n.**

Chlorodryinus pseudophanes **sp. n.** Brisbane, PERKINS (492) Honolulu Exp. Stat. Bull. **1.**

Cinetus radiatus Nouvelle Guinée, KIEFFER (23) Genova Ann. Mus. **42, sp. n.**

Clinopria **gen. n.** *Diapriinae, fusca* **sp. n.** Sumatra, KIEFFER (30) T.c.

Diapria modiglianii Sumatra, KIEFFER (31) T.c., **sp. n.**—*D. bifoveata, clarimontis*, (287), *crassiclava, melanocera, montana, nevadensis*, (288), **spp. n.**, N. America, KIEFFER Berliner ent. Zs. **50.**

Diapriines: tableau des genres, KIEFFER (33–39) Genova Ann. Mus. **42.**

Disogmus diversicornis (271), *glabratus* (273), *pubescens* (272), **spp. n.**, N. America, KIEFFER Berliner ent. Zs. **50.**

Dissomphalus bifoveatus Nicaragua **sp. n.**, KIEFFER (250) T.c.

Dryinus auctt.; confusion, PERKINS (491) Honolulu exp. Stat. Bull. **1.**—*D. cariniceps* **sp. n.** Cape Colony, CAMERON

Zs. Hymenopter. (158).—*D. trifasciatus* India, KIEFFER (335) Zs. Hymenopter. **6, sp. n.**—*D. acuticollis* Nicaragua, KIEFFER (9) Genova Ann. Mus. **42, sp. n.**

Epigonatopus fallax **sp. n.** New South Wales, PERKINS (490) Honolulu Exp. Stat. Bull. **1.**

Epyris fuscipalpis Roumania (315), *tibialis* Algeria (316), *crassicornis*, *transversus*, Hungary, (317), *quinquecarinatus* Algeria (320), *insulanus* Balearic islands (321), *arcuatus* (322), *marshalli* (323), Arles, *erythrocerus* Sarepta (325), *evanescens* Servia (327), *macromma* Hungary (328), *inermis* Greece (329), *longicollis* Spain (330), *gaullei* (331), *multidentatus* (333), France, *bipartitus* Corfu (334), *brevipennis* France, *tardus* Russia, (336); KIEFFER Hym. Eur. Alg. **9, spp. n.**—*E. rugicollis* **sp. n.** Quetta, CAMERON (288) Bombay J. Nat. Hist. Soc. **17.**—*E. albipalpis* Nicaragua (244), *clarimontis* Claremont (243), *dodecatomus* Nicaragua (242), *eriogoni* Claremont (245), *indivisus* Claremont (243), *longicollis* California (244), *nudicornis* Nevada (245), **spp. n.**, KIEFFER Berliner ent. Zs. **50.**—*E. secundus* **nom. n.**, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**

Exallonyx crenaticornis (274), *dentaticornis* (275), *fallacicornis* (274), N. America, **spp. n.**, KIEFFER Berliner ent. Zs. **50.**

Galesus leviceps Sumatra, KIEFFER (32) Genova Ann. Mus. **42, sp. n.**—*G. autumnalis* **sp. n.** N. America, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**—*G. clarimontis*, *microtomus* **spp. n.**, N. America, KIEFFER Berliner ent. Zs. **50.**

Glenosema nigra France, KIEFFER (432) Hym. Eur. Alg. **9, sp. n.**

Gonatopus bifarius Corsica (502), *horvathi* Hungary (503), *dichromus* Corsica (505), *ortholabis* Ucciani (506), *gracilipes* Hungary (508), *distinctus* England (509); KIEFFER Hym. Eur. Alg. **9, spp. n.**—*G. maurus* India, KIEFFER (336) Zs. Hymenopter. **6, sp. n.**—*G. koebelei* **sp. n.** Paramatta, PERKINS (489) Honolulu Exp. Stat. Bull. **1.**—*G. cyphonotus* Brit. Columbia, BRADLEY (380) Canad. Entomol. **38, sp. n.**—*G. pilosipes*, *capensis*, *varipes*, *similis*, Cape Colony, BRUES Milwaukee Bull. Wis. Nat. Hist. Soc. **4** (103–112), **spp. n.**

Goniozus clarimontis Claremont (253), *macrophthalma* Mexico, *occipitalis* Nevada, (254), **spp. n.**, KIEFFER Berliner ent. Zs. **50.**—*G. carinatus* Nicaragua, KIEFFER (10), with var. *castaneus* (11), Genova Ann. Mus. **42, sp. n.**

Gynochelys **gen. n.**, *braunsi* **sp. n.** Cape Colony, BRUES (103–112) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**

Habropelte leviceps Nevada, *nigerrimus* California, **spp. n.**, KIEFFER (257) Berliner ent. Zs. **50.**

Habroteleia **gen. n.** *Scelioninae* (14), *flavipes* **sp. n.** Sumatra (15), KIEFFER Genova Ann. Mus. **42.**

Haplogonatopus vitiensis Fiji (488), *brevicornis* Queensland (489), PERKINS Honolulu Exp. Stat. Bull. **1, spp. n.**

Helorus striolatus **sp. n.** Quetta, CAMERON (98) Bombay J. Nat. Hist. Soc. **17.**

Heteropria **gen n.** *Diapriinae* (23), *compressipes* **sp. n.** Uruguay (24), KIEFFER Genova Ann. Mus. **42.**

Hexapria **gen. n.** *Diapriinae*, *fuscoclavata* **sp. n.** Nicaragua, KIEFFER (27) T.c.

Holepyris numidicus, *ruficornis*, Algeria, (342), *pedestris* Italy (343), *cursor* Algeria (344), *ruficollis* Egypt (345), *erythroderes* Corsica (346), *crenulatus* Italy (348), *lineatus* (350), *punctaticollis* (351), Spain, *breviscutellatus* France, *tibialis* Spain, (352), *rufitarsis* Sardinia (353), *levicollis* Tunis (356), *fasciipennis* Corfu (357), *orientalis* Greece (358), *angusticollis* Oran (359), *fuscipennis* Tunis (360), *nigerrimus* Spain (362), *maculipennis* Corsica, *inermus* Italy, (364), *tricarinatus* Spain (365), *opacus* Tangier (366), *numidianus* Algeria, *neglectus* Hungary, (368); KIEFFER Hym. Eur. Alg. **9, spp. n.**—*H. bakeri* (247), *flavicornis* (248), **spp. n.**, Nicaragua, KIEFFER Berliner ent. Zs. **50.**

Homoglenus punctatus Oran, KIEFFER (372) Hym. Eur. Alg. **9, sp. n.**

Homopterophagus dorsettensis Dale, KIRKALDY (14) Entomologist London **29.**

Hoplogryon crassicornis (262), *tenuicornis* (263), **spp. n.**, N. America KIEFFER, Berliner ent. Zs. **50.**

Hoplopria leviceps **sp. n.** Nicaragua, KIEFFER (284) T.c.

Hoploteleia erythrothorax Nicaragua, KIEFFER (19) Genova Ann. Mus. **42, sp. n.**—*H. erythrothorax* (267), *mandibularis* (266), *rugosiceps*, *similis* (267), **spp. n.**, Nicaragua, KIEFFER Berliner ent. Zs. **50.**

Inostemma piricola, England, France, Germany, KIEFFER (123) Bruxelles Ann. Soc. scient. **30, sp. n.**

Ismarus nevadensis **sp. n.** N. America, KIEFFER (276) Berliner ent. Zs. **50.**

Labeo albitarsis Nevada **sp. n.**, KIEFFER (239) T.c.—*L. typhlocybae* Ashm., PERKINS (492). Honolulu Exp. Stat. Bull. **1.**

Laelius bipartitus (419), *tibialis* (420), France, *fulvipes* Italy, *perrisi* France, (421), KIEFFER Hym. Eur. Alg. **9, spp. n.**

Lagnyodes = (*Hadroceras* Först. = *Triogmus* Marsh.) (148), *nitidiceps* (154), *crassicornis*, *occipitalis*, *thoracicus*, (155), Italy, *niger* Bitche (156), KIEFFER Bruxelles Ann. Soc. scient. **30, spp. n.**

Leptorhaptus brevinervis Nicaragua (282), *longinervis* Claremont (280), **spp. n.**, KIEFFER Berliner ent Zs. **50.**

Loxotrapa villosicornis **sp. n.**, Nevada, KIEFFER (286) T.c.

Macroteleia kiefferi **nom. n.**, BRUES (143–152) Milwaukee Bul. Wis. Nat. Hist. Soc. **4.**—*M. pubescens* Nicaragua (17), *nigriceps* Paraguay (18), KIEFFER Genova Ann. Mus. **42, spp. n.**—*M. rufipes* **sp. n.** Nicaragua, KIEFFER (264) Berliner ent. Zs. **50.**

Megaspilus bacilliger (258), *inermis*, *integriceps*, *nevadensis*, (259), *nigripes* (258), **spp. n.**, N. America, KIEFFER T.c.

Mercetia **gen. n.** type *Dryinus longicollis*, KIEFFER (495) Hym. Eur. Alg. **9.**

Mesitius integer Greece (388), *horvathi* Hungary (389), *ruficollis* Pyrenees (390), *micropterus* Asia Minor (391), *cursor* Escorial (392), *levicollis* Sicily (393), *pyrenaicus* France, *nigriceps* Sicily, (394), *cursitans* Spain (395), *micromma* Marocco (396), *erythrothorax* Marsh. Sardinia (398), *hemipterus* Corfu, *minimus* Cyprus, (400), *africanus* Casablanca (401), *cameroni* Gibraltar (402), *nitidus* Tunis (405), *parvulus* Sicily (407), *fuscicornis* (408), *hungaricus* (409), Hungary, *punctatus* Algeria (410); KIEFFER T.c., **spp. n.**

Mesodryinus **gen. n.** type *Dryinus niger*, KIEFFER (497) T.c.

Miota flavicornis **sp. n.** N. America, KIEFFER (281) Berliner ent. Zs. **50.**

Mystrocnemis capensis **sp. n.** Cape Colony, BRUES (103–112) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**

Neochelogynus ignotus **sp. n.** Sydney, PERKINS (493) Honolulu Exp. Stat. Bull. **1.**

Neogonatopus vitiensis **sp. n.** Suva, PERKINS (490) T.c.

Odontopria **gen. n.** *Diapriinae* (24), *temporalis* Sumatra (25), *cornuta* Iles Mentawei (26), KIEFFER Genova Ann. Mus. **42.**

Odontoscelio **gen. n.** *Scelioninae* (13), *striatifrons* **sp. n.** Afrique occ. (14), KIEFFER T.c.

Oxylabis californica **sp. n.** San Mateo, KIEFFER (279) Berliner ent. Zs. **50.**

†*Pantoclis deperdita* Colorado, BRUES (497) New York N.Y. Bull. Amer. Mus. **22, sp. n.**

Pantoclis dubiosa N. America, *rufipes* Nicaragua, **spp. n.**, KIEFFER (278) Berliner ent. Zs. **50.**—*P. nicaraguana* **nom. n.** BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**

Paramesius pleuralis Sumatra, KIEFFER (28) Genova Ann. Mus. **42, sp. n.**

Parascleroderma rugosulum Gibraltar, *fulviceps* Sicily, *nigriceps* Italy, KIEFFER (427) Hym. Eur. Alg. **9, spp. n.**—*P. leviceps* Nicaragua **sp. n.**, KIEFFER (255) Berliner ent. Zs. **50** and Genova Ann. Mus. **42** (11).

Pentacantha rufitarsis **sp. n.** California, KIEFFER (263) T.c.

Pentapria punctaticeps **sp. n.** Nicaragua, KIEFFER (289) T.c.

Plastodryinus **gen. n.** type *Dryinus szepligetii*, KIEFFER (496) Hym. Eur. Alg. **9.**

Plastomicrops **gen. n.** *Ceraphronides*, *acuticornis* **sp. n.** Italy, KIEFFER (145) Bruxelles Ann. Soc. Scient. **30.**

Parasierola

Platyceraphron **gen. n.** *Ceraphronides, muscidarum* (141), *corticis* (142), **spp. n.**, France on *Lonchaea*, KIEFFER T.c.

Platygaster lineatus (125), *ornatus* (127), *marchali* (129), *persicariae* (130), *longicaudatus* (on *Mayetiola destructor*) (131), *brevicaudatus* (133), France, KIEFFER T.c., **spp. n.**

Platyscelio **gen. n.** *Scelioninae* (11), *pulchricornis* **sp. n.** Nouvelle Guinée (13), KIEFFER Genova Ann. Mus. **42.**

Pristocera damascena Syria, KIEFFER (293) Hym. Eur. Alg. **9, sp. n.**—*P. heinii* S. Arabia (115), *syriaca* Syria (116), KOHL Hym. Südarab., **spp. n.**—*P. hyalina* **sp. n.** N. America, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**

Pristomicrops **gen. n.** *Ceraphronides, clavatus* **sp. n.** Italy, KIEFFER (146) Bruxelles Ann. Soc. scient. **30.**

Proctotrypes nevadensis **sp. n.** N. America, KIEFFER (275) Berliner ent. Zs. **50.**

Prodryinus **gen. n.** type *Dryinus brachycerus*, KIEFFER (497) Hym. Eur. Alg. **9.**

Prosacantha flabellata France, KIEFFER (162) Bruxelles Ann. Soc. scient. **30, sp. n.**

Prosanteon melanostigmus **sp. n.** New South Wales, PERKINS (493) Honolulu Exp. Stat. Bull. **1.**

Proscleroderma punctatum Syria, KIEFFER (430) Hym. Eur. Alg. **9, sp. n.**

Pseudisobrachium cantianum England, CHITTY (148) Ent. Mag. London **42, sp. n.**—*P. carpentieri* France (301), *pubescens* Greece, *concolor* Hungary, (305), KIEFFER Hym. Eur. Alg. **9, spp. n.**—*P. testaceipes* Nicaragua **sp. n.**, KIEFFER (240) Berliner ent. Zs. **50.**

Pseudogonatopus melanacrias, kiefferi Fiji, PERKINS (487) Honolulu Exp. Stat. Bull. **1, spp. n.**

Psilobethylus **gen. n.** (461), *luteus* **sp. n.** Italy (463), KIEFFER Hym. Eur. Alg. **9.**

Psilopria **gen. n.** *Diapriinae, rufitarsis* **sp. n.** Nouvelle Guinée, KIEFFER (29) Genova Ann. Mus. **42.**

Rhabdepyris fasciatus Scotland (377), *reitteri* Bosnia (378), *fuscipes* Italy (379), *hemipterus* France (380), *proximus* (381), *fascipennis*, Spain, *pallidipennis* Hungary, (382), KIEFFER Hym. Eur. Alg. **9, spp. n.**—*R. quinquelineatus* (249), *septemlineatus* (250), *subaeneus* (248), **spp. n.**, Nicaragua, KIEFFER Berliner ent. Zs. **50.**

Scelio pulchripennis, nitens, Cape Colony, BRUES (103–112) Milwaukee Bull. Wis. Nat. Hist. Soc. **4, spp. n.**—*S. flavicoxis* Sumatra (21), *fuscicoxis* Nicaragua (22), KIEFFER Genova Ann. Mus. **42, spp. n.** – *S. albipennis* Nevada (270), *guatemalensis* Champerico, *rufonotatus* Cuba, (269), *tripartitus* Nicaragua, (270), **spp. n.**, KIEFFER Berliner ent. Zs. **50.**—*S. monticola* Kansas (184), *striaticollis* Texas (222), *venata* Arizona (228), BRUES in Viereck Philadelphia Trans. Amer. Ent. Soc. **32.**

Scleroderma brevicorne Sicily, KIEFFER (447) Hym. Eur. Alg. **9, sp. n.**

Sparasion emarginatum Italy (168), *trilaminatum* Spain, *rugosulum* Hungary, (169), *aeneum* Illyria, *spinosipes* Spain, (170), *subleve* (171), *punctatissimum*, Illyria, *nigripes* Italy, (172), *bicoronatum* Sardinia (173), *flavipes* Italy (174), *obtusifrons* Carniola (175), *dorsale* (176), *punctulatum* (177), Hungary, *vicinum* Italy (178), KIEFFER Bruxelles Ann. Soc. scient. **30, spp. n.**—*S. albo-pilosellus* **sp. n.** Quetta, CAMERON (98) Bombay J. Nat. Hist. Soc., **17.**—*S. coeruleum* Sumatra, KIEFFER (20) Genova Ann. Mus. **42, sp. n.**—*S. graenicheri* **sp. n.** N. America, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**

Synopeas rhanis Walk., KIEFFER (134) Bruxelles Ann. Soc. scient. **30**

Teleas striatus France, KIEFFER (161) T.c., **sp. n.**

Telenomus giraudi Europe (163), *perrisi* France (164), KIEFFER T.c., **spp. n.**—*T. quaintancei* (63), *perplexus* (65), **spp. n.**, N. America, GIRAULT Psyche **13.**—*T. heracleicola* **sp. n.** N. America, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. **4.**—*T. bakeri, pentatomus, tetratomus*, N. America, **spp. n.**, KIEFFER (261) Berliner ent. Zs. **50.**—*T. solarii* Nicaragua, KIEFFER (22) Genova Ann. Mus. **42, sp. n.**

Trachepyris spinosipes (413), *biscrensis* (414), Algeria, KIEFFER Hym. Eur. Alg. **9, spp. n.**

Trichacis remulus Walk., KIEFFER (135) Bruxelles Ann. Soc. scient. **30.**

Triglenus **gen. n.**, *numidus* **sp. n.** Algeria, MARSHALL (372) Hym. Eur. Alg. **9.**

Trimicrops **gen. n.** *Ceraphronides, claviger* **sp. n.** Italy, KIEFFER (142) Bruxelles Ann. Soc. Scient. **30.**

Trissolcus rufitarsis Nevada **sp. n.**, KIEFFER (262) Berliner ent. Zs. **50.**

Trissomalus transvaalensis Dub. redescribed, CAMERON Trans. S. Afric. Phil. Soc. **16** (332).

Triteleia **gen. n.** near *Macroteleia*, (264), *punctaticeps* **sp. n.** Nicaragua (265), KIEFFER Berliner ent. Zs. **50.**

Tropidopria unifoveata **sp. n.** ? N. America, KIEFFER (286) T.c.—*T. rufa* Nicaragua, KIEFFER (31) Genova Ann. Mus. **42, sp. n.**

Tropidopsis loriai Nouvelle Guinée, KIEFFER (32) T.c., **sp. n.**

Zelotypa filicornis **sp. n.** California, KIEFFER (279) Berliner ent. Zs. **50.**

(*Anagrus hydrophilus* Russian Turkestan. ASHMEAD, Ent. News. **16** 1905 (213–214), sp. n.)

(*Polynema bergi* Russian Turkestan. ASHMEAD, Ent. News **16** 1905 (213–214), sp. n.)

(†**Meunier,** Fernand. Sur deux *Mymaridae* de l'ambre de la Baltique. Misc. ent., **13,** 1905, (1–4, av. fig.).)

CYNIPIDAE.

Monograph of the gall-producing *Cynipidae* in Denmark, with a description of their galls (Danish); JÖRGENSEN Kjöbenhavn Ent. Medd. **3** (85–112), pl.

The pedunculated eggs; BUGNION, **2** and **3.**

Aulax hieracii = (*graminis* Cam.), MAYR (74) Marcellia **5.**—*A. hypochoeridis* Kieff. = (*Phanacis seriolae* De Stef. Perez), DESTEFANI PEREZ (130) Marcellia **5.**

Balina brasiliensis Sao Paulo, KIEFFER (107) Marcellia **5, sp. n.**

Biorrhiza australiensis N. S. Wales, KIEFFER (104) T.c., **sp. n.**

Cothonaspis konowi **sp. n.** KIEFFER, Zs. Hymenopter. **6** (114).

Cynips trinacriae Sicily, DE STEFANI PEREZ Marcellia **5** (127), **sp. n.**

Dryophanta australiensis N. S. Wales, KIEFFER (105) Marcellia **5, sp. n.**—*D. nawai* Ashm., metamorphosis, (Japanese); NAWA Konch. Sek. Gifu **10** 1906 (8–10).

Eucoela indica Java, KIEFFER (108) Marcellia **5, sp. n.**

Ganaspis indicus, longicornis, Java, KIEFFER (109) T.c., **sp. n.**

Kleditoma indica Java, KIEFFER (110) T.c., **sp. n.**

Onychia rufithorax **sp. n.** Quetta, CAMERON (90) Bombay J. Nat. Hist. Soc **17.**

Parandricus **gen. n.** (102), *mairei* **sp. n.** China (103), KIEFFER Marcellia **5.**

Rhodites rubicola hab. ?, KIEFFER (106) T.c., **sp. n.**

Timaspis lusitanicus Lousa, TAVARES (301) Broteria **3, sp. n.**

(*Timaspis papaveris*, GOURY & GUIGNON, Feuille jeunes natural. **35,** sp. n.)

PSEUDOSIRICIDAE.

†*Pseudosiricidae* **fam. n.** for *Pseudosirex* Weyenb., HANDLIRSCH (573) Fossil. Ins.

†*Pseudosirex deichmulleri* (575), *separatus* (576), *nanus* (577), Kalk Bayern, HANDLIRSCH T.c., **spp. n.**

ORYSSIDAE.

Oryssus trifasciatus **sp. n.** New-Guinea, CAMERON Nova Guinea Leide **5** Livr. 1 (41).

†*Lithoryssus* **gen. n.** (492), *parvus* **sp. n.** Florissant (493), BRUES New York N.Y. Bull. Amer. Mus. **22.**

CEPHIDAE.

Pachycephus aeneovarius, konowii, Asia minor, KOHL (221) Wien Ann. Nat. Hist. Hofmus. **20, spp. n.**

Peronistilus **gen. n.** for part of *Cephus*, GHIGI (26) Annuario Mus. Napoli **1** No. 21.—*P. politissimus* pl. viii No. 34, Id. T.c.

TENTHREDINIDAE, XYELIDAE.

A study of the wings of the Tenthredinoidea, MACGILLIVRAY Washington D.C. Smithsonian Inst. U. S. Nation

Mus. Proc. **29** 1906 (569–654) with text fig., pl.

The mouth-parts of *Tenthredinidae*; VAN DINE (19–22) pl. i Honolulu Proc. Hawai. ent. Soc. **1.**

Revision of *Chalastogastra* continued, *Cimbex* to *Abia*, KONOW Zs. Hymenopter. **6** (193–208 etc.) also with separate pagination.

Notes on *Tenthredinidae*, described by Costa, GHIGI Annuario Mus. Napoli **1** No. 34.

Synonymical and critical notes on Italian *Tenthredinidae*, GHIGI Annuario Mus. Napoli **1** No. 21 (1–26).

Biologie der Blattwespen (*Chalastogastra*), JÖRGENSEN, Zs. wiss. Insektenbiol. Husum **2** 1906 (347–351).

KONOW, Fr[iedr.] W[ilh.]. Berichtigung [zu Wytsman Gen. Ins. Tenthred.]. Zs. Hymenopter. Teschendorf **6** 1906 (388).

Parthenogenesis (Holländisch); ROSSUM, 's Gravenhage Tijdschr. Ent. **49** (lxi–lxix).

Acorduleceros cestatus, thoracalis, (337), *illotus, spathulatus*, (338), *calceolatus* (339), *lituratus, stigmaticus*, (340), *regalis, rudis*, (341), *russatus, bigrammatus*, (342), Brazil, *ricatus* Peru, *inglorius* Bolivia, (343), *cervicatus, tegularis*, (344), *pallidus*, Brazil, *schrottkyi* Paraguay, (345), KONOW Zs. Hymenopter. **6, spp. n.**

Allantus asperatus **sp. n.** Sikkim, KONOW (125) T.c.

Amasis citrina = (*moricei* Kon.) KONOW (321) T.c.

Amauronematus; table of British MORICE (134–136) Ent. Mag. London **42.**

Arge siluncula Tonkin, *accliviceps* China mer., KONOW (255) Zs. Hymenopter. **6, spp. n.**—*A. inops*, Texas, KONOW (181) T.c., **sp. n.** — *A. pyrenaica* = (*modesta* Kon.) KONOW (328) T.c.

Athlophorus orbitalis Sumatra, KONOW (330) T.c., **sp. n.**

Bathyblepta **gen. n.** *Argidum, procer* **sp. n.** Khasia hills, KONOW (123) T.c.

Blennocampa roberti-buyssoni **nom. n.** für *brevicornis* Buyss., SCHULZ (80) Spolia hym.—*B. brevicornis* Buyss. to *Somostethus*, KONOW (321) Zs. Hymenopter. **6.**

Brachyphatnus **gen. n.** (250) *Schizocerides, nigriceps* Texas, *debilicornis*, (251), *jenseni* (252), Argentina, **spp. n.**, KONOW T.c.

Braunsiola duckei Brazil, KONOW (181) T.c., **sp. n.**

Cladius tibialatus Tangier, KONOW (256) Zs. Hymenopter. **6, sp. n.**

Croesus and *Holcocneme*; British species, MORICE (79) Ent. Mag. London **42.**—*C. varus* and *latipes*, influence of food, VAN ROSSUM (141–147) Ent. Ber. Nederland. **2.**

Cryptocampus angustus larval habits, NIELSEN Zs. wiss. Insektenbiol. **2** (44–47).

Decameria altilis Surinam (371), *florida, leucophaea*, Peru, (372), *sandaracata* Brazil (373), KONOW Zs. Hymenopter. **6, spp. n.**

†*Dineura saxorum* **sp. n.** Florissant, COCKERELL (498) New York N.Y. Bull. Amer. Mus. Nat. Hist. **22.**

Dolerus cookei California, CLARKE (351) Canad. Entomol. **38, sp. n.**

Dosytheus kashmirensis **sp. n.** Kashmir, CAMERON (290) Bombay J. Nat. Hist. Soc. **17.**

Emphytus perla ♀ = (*Phylloecus eburneus* André, FORSIUS (137) Helsingfors Medd. Soc. Fauna Fl. Fenn. **32.**

Eriocampa adumbrata, larval habits, MOLZ Jahresber. Ver. angew. Bot. **3** (65–75).

†*Eriocampa wheeleri* **sp. n.** Florissant, COCKERELL (500) New York N.Y. Bull. Amer. Mus. Nat. Hist. **22.**

Gymnia transtillata Peru (191), *blanda* Brazil, *alterna, perata*, (241), *galumnata* Brazil, *amictoriana* Peru, (242), *cultricornis* Bolivia (243), KONOW Zs. Hymenopter. **6, spp. n.**

†*Hemichroa eophila* **sp. n.** Florissant, COCKERELL (501) New York Bull. Amer Mus. **22.**

Hemidianeura fucata (189), *illisa* (190), Brazil, *tenebrica* (191) Surinam, KONOW Zs. Hymenopter. **6, spp. n.**

Hylotoma and *Arge*, synonymical and varietal notes, KONOW (322–328, 386, 387) T.c.

Hyperoceros **gen. n.** *Pterygophorides*, (369), *peruanus* **sp. n.** Marcapata (370), KONOW T.c.

Labidarge pictipes Guatemala (177), *forficulata, nigripes,* (178), *suda, galumnata, nigricollis,* (179), *strophosa, inculta,* (180), S. America, **spp. n.**; *torquata* var. n. *schrottkyi* (181); KONOW T.c.

Loboceros trinotatus (346), *binotatus* (368), Brazil, KONOW T.c., **spp. n.**

Lophyrus gaullei **sp. n.** Algeria, KONOW (123) T.c.—*L. similis* Htg., BAUER Natw. Zs. Landw. Stuttgart **4** 1906 (84–92).

Lyda pratensis, SCHOLZ Aus. d. Heimat Stuttgart **19** (72–73).

Lygaeonematus, table of British MORICE (249–251) Ent. Mag. London **42.**

Macrophya diversipes var. n. *passerinii,* GHIGI Annuario Mus. Napoli **1** No. 21 (8 and 28).

Megalodontes decussatus Transcaspian, KONOW (254) Zs. Hymenopter. **6, sp. n.**

Monophadnus rivalis Java, KONOW (329) T.c., **sp. n.**

Nematoneura mitellata Brazil, KONOW (186) T.c., **sp. n.**

Nematus; table of British; MORICE (82, 83) Ent. Mag. London **42.**—*N. marginifer, stordalensis* **spp. n.**, Arktisch, STRAND (30) Rep. Norweg. Arctic exp. Fram No. 3.—*N. orientalis* **sp. n.** Quetta, CAMERON (90) Bombay J. Nat. Hist. Soc. **17.**—*N. erichsoni* life-history, MACDOUGALL J. Board Agric. fish. London October 1906 (12) 1 pl.—*N. marlatti* **nom. n.** für *borealis* Marl., SCHULZ (80) Spolia. hymenopt.

Odontophyes ferruginea **sp. n.** Kansas, BRIDWELL (94) Ent. News **17.**

Pachynematus; British tabulated, MORICE (206–210) Ent. Mag. London **42.**

Paralypia lacertosa Brazil, KONOW (368) Zs. Hymenopter. **6, sp. n.**

Periclista andrei Spain, KONOW (329) T.c., **sp. n.**

Philomastix Frogg., SCHULZ (81–84) Spolia hym.

Pontania; table of British, MORICE (80, 81) Ent. Mag. London **42.**—Danish larvae and galls, JÖRGENSEN Kjöbenhavn Ent. Medd. **3** (113–126) 1 pl.

Priophorus simplicicornis Cress. ♂ (305), *aequalis* Nort. ♂ (306), *solitaris* Dyar ♀ (307); *P. acericaulis* **sp. n.** Connecticut (306); MACGILLIVRAY Canad. Entomol. **38.**—*P. acericaulis* injuring maple, natural history, BRITTON (313–321) pl. xiv Ent. News **17.**

Pristiphora; table of British, MORICE (246–249) Ent. Mag. London **42.**

Pseudoclavellaria **nom. n.** for *Clavellaria* Leach, SCHULZ (87) Spolia hym.

Ptenus Nort. redefined (182); *gaullei* Guiana (183), *prodigus* (184), *humeratus, segrex,* (185), Brazil; KONOW Zs. Hymenopter. **6.**

Pteronus; table of British, MORICE (130–133) Ent. Mag. London **42.**—*P. arapahonum* **sp. n.** Colorado, COCKERELL (220) Ent. News **17.**

Rhadinoceraea nodicornis larva, KONOW (347) Zs. Hymenopter. **6.**

Rhogogastera bituberculata **sp. n.** Kashmir, CAMERON (289) Bombay J. Nat. Hist. Soc. **17.**

Sericoceros calanticatus, ricatus, (245), *bigrammatus, declivis,* (246), *mulsus,* Brazil, *mammeatus* Peru, (247), *procus, ruminatus,* (248), *coxalis, socius,* (249), *pauxillus* (250), Brazil, KONOW Zs. Hymenopter. 6, **spp. n.**

Stelidarge duckei Brazil, KONOW (253 T.c., **sp. n.**

Stromboceros laevis = (*coeruleiceps* Cam.), *albarius* **nom. n.** for *phaleratus* Kon. 1903, KONOW (388) T.c.

Tanymeles **gen. n.** *Schizocerides, hilarulus* **sp. n.** Brazil, KONOW (244) T.c.

Tanyphatna **gen. n.** *Schizocerides, pellos* (187), *catinifera, exilipalpis,* (188), **spp. n.**, Brazil; KONOW T.c.—*T. mamillata* Bolivia, KONOW T.c., **sp. n.**

Tenthredo nimbata (126), *T. suta* (127), Sikkim, **spp. n.**; *T. finschi* Kirby (125); KONOW, T.c.—*T. umbonigera* Sumatra, KONOW (331) T.c., **sp.n.**

Trichiosoma nigricoma Solowetzki islds., *opaca* Siberia, **spp. n.**, KONOW (122) T.c.

Tristegus **gen. n.** *Perregides* (370), *mimarius* **sp. n.** Bolivia (371), KONOW T.c.

(*Selandria* (*Monophadnus*) *paviei* SAUSSURE, Mission Pavie **3**, sp. n.)

LEPIDOPTERA.

SEITZ, Adalbert. Die Gross-Schmetterlinge der Erde. Eine systematische Bearbeitung der bis jetzt bekannten Grossschmetterlinge. Lfg. 1–2 1906 (1–20) mit 5 Taf.

Nomenclature of certain genera of Hübner; SEMPER D. ent. Zs. Iris **18** (242–244).

Copal-Schmetterlinge. EVERS Ent. Jahrb. Leigzig **16** 1907 (129–132).

Pigmentbildung bei den Schmetterlingen. SOLOWIOW Zs. wiss. Insektenbiol. Husum **2** 1906 (328–329).

Rhopalocera.

British butterflies, illustrated work; SOUTH.

Butterflies of Hongkong, illustrated work; KERSHAW.

Butterflies of Asama Mountain, habits of, (Japanese.) TAKANO, Takazō. Konch Sek. Gifu **10** 1906 (16–19, 49–51).

CARY, Merritt. On the diurnal Lepidoptera of the Athabaska and Mackenzie region, British America. Washington D.C. Smithsonian Inst. U. S. Nation. Mus. Proc. **31** 1906 (425–457).

The butterflies of Montana, with keys for determination of species. A nature study bulletin, for the use of teachers, students and others who wish to study the butterflies. ELROD Missoula Univ. Mont. Bull. No. **30** (Biol. Ser., No. **10**) 1906 (xvi + 174 + 1 *l.*), with 13 pl. & 1 col. 125 fig.

The butterflies of the west coast of the United States; WRIGHT.

Rest-attitudes of *Rhop.*, vide p. 146.

Mimicry among butterflies from Victoria Nyanza, NEAVE (207–224) pls. ix–xii London Trans. ent. Soc. 1906.

Die ersten Stände einiger Tagfalter. (Eier- und Raupen-Beschreibungen.) GILLMER Insektenbörse Leipzig **23** 1906 (8, 11–12, 14–15, 19–20, 22–23, 26–27). — Zur Entwicklungsgeschichte einiger Tagfalter. GILLMER Ent. Zs. Guben **20** 1906 (130–131, 137–138).

Spermatogenesis *Papilio*; MUNSON Boston Mass. Proc. Soc. Nat. Hist. **33**.

PAPILIONIDAE.

Papilio; Nomenklaturfrage, STICHEL Ent. Zs. Guben **19** (189–190, 199–200).

Papilio: revision of American, with 8 spp. n. and many subspp. n., 70 figures: the synonymy and n. subspp. are not here recorded: ROTHSCHILD and JORDAN Nov. Zool. Tring **13** (411–752) pls. iv–ix.

P. homothoas Orinoco etc. (561) pl. v f. 13, *trapeza* Ecuador (669) pl. v f. 15, *oberthueri* Honduras (696) pl. vi f. 25, *molops* S. America (710) pl. ix figs. 60–62, *helios* Brazil (720) pl. vi f. 30, *stenodesmus* Paraguay (722) pl. ix f. 68, *earis* Ecuador (723) pl. vi f. 32, *callias* (= *columbus* Hew. nec Kollar) S. America (739); ROTHSCHILD and JORDAN Nov. Zool. Tring **13, spp. n.**—*P. uganda* Entebbe, LATHY (9) pl. ii f. 11 London Trans. ent. Soc. 1906, **sp. n.**—*P. phidias* Annam, OBERTHUR Paris Bull. soc. ent., **1906** (156), **sp. n.**—*P. caburi* Guiana KAYE (51) pl. ii f. 1 Entomologist London 1906, **sp. n.**—*P. aristolochiae-formosensis*, *bianor-formosanus*, (222), *polyctor-hermosanus* (223), subspp. n., REBEL Wien Verh. Zool.-bot. Ges. 1906. —*P. polydorus* subsp. n. *varus*, FRUHSTORFER Ent. Zs. Guben **20** (9–10).—*P. coloro* var. n., WRIGHT butterflies west coast U. S.—*P. rutulus* var. n. *arcticus* (379), SKINNER Ent. News **17**. —*P. dardanus trimeni* new form (283) pl. xix f. 1, mimicry (281–298) pls. xvii–xx, POULTON London Trans. ent. Soc. 1906.—*P. ajax*, habits, ROWLEY Ent. News **17** (175–177). — *P. jordani*, FRUHSTORFER Ent. Zs. Guben **20** (65–66).—*P. machaon* var., LONITZ Gera Jahresber. Ges. Natw. **46–48** (1903–1905) (170–172); III Generation, HANNEMANN, Ent. Zs. Guben **20** 1906, (216); Bemerkung dazu v. A. Glöckner, op. cit. **20** 1907 (249–250); Parasitismus, FISCHER Ent. Zs. Guben **19** (186–187).—*P. podalirius* L. ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (485); *P. podalirius pallistriga* subsp. n., SCHÜLTZ (105–111) Nyt. Mag. Naturv. Kristiania **44**.

Parnassius balucha, Baluchistan, MOORE (47) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**—*P. apollo*, SCHULTZ Ent. Zs. Guben **20** (117–118); *P. apollo* et ab. *pseudonomion*, A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (486–

487).—*P. citrinarius melanochroa* var. n., REBEL (225) Wien Verh. Zool.-bot. Ges. 1906.—*P. szechenyi* Friv. var. n. *germanae*, AUSTAUT Ent. Zs. Guben **20** (66–68).—*P.* var. n. California and British Columbia, WRIGHT butter. west coast U. S.—*P. phoebus sacerdos* n. n. (= *delius* Esp.), *ph. apricatus* n. subsp., *P. apollo melliculus* n. subsp., *a. pumilus* n. subsp., *P. mnemosyne athene* n. subsp., *P. jacquemontii rubicundus* n. subsp., *j. variabilis* n. subsp., *P. imperator venustus* n. subsp., STICHEL Berliner Ent. Zs. **51** (81–94) pl. ii.

Thais polyxena ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (485–486).

Troides (*Ornithoptera*) *obiana* Obi, REBEL (220) Wien Verh. Zool.-bot. Ges. 1906, **sp. n.**—*T. chimaera* Rothsch., pl. iii f. 1, JORDAN (759) Nov. Zool. Tring **13**.

PIERIDAE.

Anthocharis var. n., *caliente* **sp. n.** California, WRIGHT butterfl. west coast U.S.

Aporia crataegi var. n. *koyi* ♀ Ungarn, A. AIGNER Rovart. L. **13** (69–75); early stages, FROHAWK (132–138) Entomologist 1906.

Appias ella, hab. Philippinen, = (*Catophaga ardens* Butl.); SEMPER (257) D. ent. Zs. Iris **18**.

Catopsilia; habits, WICKWAR (216–218) Spolia zeylan. **3**: GREEN T.c. (219).

Colias berylla (480) pl. xxxvi f. 18, *nina* not distinct; *C. dubia* **sp. n.** Tibet (481) figs. 8 and 9; ELWES London Proc. Zool. Soc. 1906.—*C. nepalensis* (24) pl. 559 figs. 2 a–g, *zaneka* (25) pl. 560 figs. 1 a–c, *chitralensis* **sp. n.** India (27), *zanekoides* (27) figs. 2 a–c, MOORE Lep. indica **7**.—*C. edusa* et var. *helice*; *C. hyale* abb.; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (487–488).—*C. hyale sareptensis* u. *C. erate sareptensis*, Unterscheidung, TSCHETVERIKOW Taškent Turk. Odt. Russ. Geogr. Obšč. **4** (30–36).—*C. myrmidone-balcanica-rebeli*, SCHAWERDA (651) Wien Verh. Zool.-bot. Ges. 1906.—*C. werdandi* (245) pl. viii figs. 3 and 4, ROWLAND-BROWN Entomologist 1906.

Dercas wallichii (29) pl. 561 figs. 1 a–d, *lycorias* (30) fig. 2, *doubledayi* **sp. n.** India (31) pl. 562 figs. 1 a–e, MOORE Lep. indica **7**.

Euchloë belia Cr. aberr. *philippsi* n. RUDOLPH Ent. Zs. Guben **20** (81); in Deutschland?, KOLBE Insektenbörse Leipzig **23** (167–168).—*E. cardamines*, Futterpflanzen LÖFFLER Ent. Zs. Guben **20** (85–86).

Gandaca **gen. n.** for pt. of *Terias*; *assamica* (33) pl. 563 figs. 1 and 2, *burmana* (34) figs. 3 a–c, *andamana* (35) figs. 4 a–c, **spp. n.**, India; MOORE Lep. indica **7**.

Gonopteryx rhamni ab, A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (488).

Ixias baliensis, resemblance with *Huphina corva*, DIXEY (521–523) pl. xxxi London Trans. ent. Soc. 1906.

Kibretta **gen. n.** for part of *Terias*, *libythea* (36–38) pl. 564 figs. 1 a–g, *rubella* (38) figs. 2 a–g, MOORE Lep. indica **7**.

Leptosia xiphia (20–22) pl. 559 figs. 1 a, b, *nicobarica* sp. prop. (22), Id. T.c.

Mylothris similis Centr. Africa, LATHY (6) pl. ii figs. 2 and 3 London Trans. ent. Soc. 1906, **sp. n.**

Nirmula **gen. n.** for part of *Terias*, *venata* (40) pl. 565 figs 1 a–b, *rama* (42) figs. 3 a–d, *laeta* (44) pl. 566 figs. 1 a–i; *rama* (42) pl. 565 figs. a–d, *sikkima* (43) figs. 4 a b, *pseudolaeta* (44) pl. 566 figs. 1 j–m, **spp. n.**, India; Moore Lep. indica **7**.

Nychitona; distastefulness, DIXEY (lxix–lxxi) London Proc. ent. Soc. 1906.

Pieris brassicae, wandernde, METZGER Prakt. Bl. Pflanzenbau **4** (126–127).—*P. daplidice* gen. vern. *bellidice*, ab., A. AIGNER, Ann. Hist.-Nat. Mus. Nat. Hung. **4** (487); early stages, FROHAWK (193–196) Entomologist 1906.—*P. pigea* ab. pl. ii f. 4, *liliana* ab. f. 5, LATHY London Trans. ent. Soc. 1906 (7).—*P. rapae* var. *leucosoma* ♀, BARTEL (225) Wien Verh. zool.-bot. Ges.

Tachyris galba (17–19) pl. 558 fig. 2 a–d, MOORE Lep. indica **7**.

Teracolus castalis ab. pl. ii f. 6, *bacchus* gynandromorph figs. 7 and 8 (8), *eupompe* abb. figs. 9 and 10 (9); LATHY London Trans. ent. Soc. 1906.

Terias; east Indian spp. described and figured (47–64) plates 567–570; *aesiopeoides* (60) pl. 569 figs. 1 a–d, *davidsoni* (63) pl. 570 figs. 1 a–g, **spp. n.**, India; MOORE Lep. indica **7**.

DANAIDAE, ITHOMIIDAE, ACRAEIDAE, HELICONIIDAE.

Müllerian resemblance among, *Ithomiinae* and *Heliconiidae*, KAYE (414–434) plates xxiii–xxvii London Trans. ent. Soc. 1906.

Acraea mirifica Angola pl. i f. 2, *acutipennis* Rhodesia f. 3, (2), *angolanus* Angola figs. 4 and 5 (3); LATHY London Trans. ent. Soc. 1906, **spp. n.**—*A. cerita* Uganda, SHARPE (75) Ann. Mag. Nat. Hist. Ser. 7 **18, sp. n.**—*A. aglaonice* pl. iv f. 4 (64–66), TRIMEN London Trans. ent. Soc. 1906.—*A. chaeribula*, etc., seasonal forms, NEAVE and MARSHALL (lxxxiv–lxxxv) London Proc. ent. Soc. 1906.—*A. johnstoni* mimicry (297–311) plates xxi and xxii, synonymy of varr.; POULTON London Trans. ent. Soc. 1906.—*A egina*, larva, AURIVILLIUS (2) Uppsala Arkiv. Zool. **3** No. 1.

Chlosyne pantoni Jamaica, KAYE (52) pl. ii f. 6 Entomologist London 1906, **sp. n.**

Danais chrysippus Aralsee, TSCHETVERIKOW Taškent Izv. Turk. Otd. Russ. Geogr. Obšč. **4** (30–36).

Eueides nigrofulva Guiana, **Kaye** (52) pl. ii figs. 4 and 5 Entomologist London 1906, **sp. n.**—*E. isabella brunnea* pl. v f. 25 (55), *ricini* f. 26 (56), *lampeto amoena* pl. vi f. 27, *edias edias* f. 28, (57), *pavans* f. 29 (58), *olympia* f. 30 (60), *heliconioides heliconioides* f. 31, *eanes pluto*, f. 32 (61), STICHEL Gen. ins. **37**.

Euploea kuroiwae **sp. n.** Okinawa, MATSUMURA Annot Zool. Jap. **6** (9) pl. i f. 1.—*E. nagasena* **sp. n.** Batu Inseln, FRUHSTORFER (131) Ent. Zs. Guben 20. —*E.* (*Crastia*) *abjecta*, characters, habitat, SEMPER (248–250) D. ent. Zs. Iris **18**.

Heliconiinae; characters of the genera, and lists of species, STICHEL Gen. ins. **37**.

Heliconius numatus praelantus subsp. n. pl. i f. 2 (10), *silvana diffusa* f. 3 (11), *silvana mirificus* subsp. n. f. 3a (12), *schulzi* f. 4, *novatus subnubilus* subsp. n. f. 4a, (14), *hecale* f. 5 (15), *aristion arcuella* pl. ii f. 6 (16), *cydno broncus* subsp. n. f. 6a (21), *cydnodiatrephes* f. 7 (22), *melpomene aglaope* f. 8 (25), *melpomene riffiarthi* subsp. n. f. 8a (26), *melpomene richardi* f. 9 (27), *amaryllis euryades* pl. iii f. 10 (28), *choarinus* f. 11 (30), *aoede bartletti* f. 12 (31), *xanthocles xanthocles* f. 13 (32), *burneyi huebneri* f. 14 (33), *doris luminosa* f. 15, *wallacei wallacei* pl. iv f. 15, (36), *sapho primularis* f. 17 (38), *antiochus antiochus* f. 18, *leucadia leucadia* f. 19, (39), *cyrbia cyrbia* f. 20 (42), *erato elimaea* f. 21 (45), *erato diva* subsp. n. pl. v f. 21a (47), *erato ottonis* f. 22 (48), *charitonia peruvianus* f. 23 (49), *telesiphe sotericus* f. 24 (50), STICHEL T.c.—*H. wernickei* (68), *eucherius* (70), **spp. n.**, Bogota, WEYMER D. ent. Zs. Iris **19** (68–71).—*H. silvana* var. n. *divisus* pl. ii f. 3, *tumatumari* **sp. n.** pl. ii f. 6, KAYE (53) Entomologist London 1906.

H. pasithoë fulvescens var. n. (452) pl. xxxiv f. 1, *H. xenoclea* varr. n. *superba* f. 2 and *confluens* f. 3, (453), LATHY London Proc. Zool. Soc. 1906.—*Heliconius erato estrella* f. n. *simplex*, RIFFARTH Insektenbörse **23** (56).—*H. charitonius*, distribution, HOLLAND Ent. News **17** (34).

Ithomia drogheda Venezuela, WEEKS (78) Canad. Entomol. **38, sp. n.**—*I. hamlini* **sp. n.** Venezuela, WEEKS, (196) Ent. News 17.

Pareba vesta alticola subsp. n., Westsumatra, FRUHSTORFER, Entomol. Ztg. Wien **25** 1906 (309).

Penoa pasina **sp. n.** Batu-Inseln, FRUHSTORFER (132) Ent. Zs. Guben **20**.

Planema macarista, Uganda; SHARPE (76) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**

NYMPHALIDAE.

Nymphalinae and *Lemoniidae* of Borneo, annotated and critical catalogue, SHELFORD J. Straits R. Asiat. Soc. No. 45 1905 (89–136).

Verzeichnis der von mir in Tonkin, Annam und Siam gesammelten Nymphaliden . . . . FRUHSTORFER, Entomol. Ztg. Wien **25** (307–362) 2 Taf.

Dunkle Stellen im Leben mancher Argynniden. GILLMER Insektenbörse Leipzig **23** 1906 (111–112). Weitere Bemerkungen dazu, T.c. (132). Also Insektenbörse Leipzig **23** 1906 (60, 92).

Adelpha oronoco Venezuela, WEEKS 76) Canad. Entomol. **38, sp. n.**

Apatura modesta Mou-Pin, OBERTHÜR Etudes Lep. fasc. **2** (19) pl. vii f. 4, **sp. n.**; *H. fulva* Leech is male and *subcœrulea* female of one species T.c. (20).—*A. iris*; larvae habits, larva hatched from egg of dead imago; ANDREWS (224–228) Ent. Mag. London **42.**—*A. ilia, iris* abb. A. AIGNER, Ann. Hist.-Nat. Mus. Nat. Hung. **4** (488–489).

Araschnia prorsa var. n. *schultzi*, PFITZNER D. ent. Zs. Iris Berlin **18** (277).—*A. levana* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (489–490).

Argynnis varr. n. California, WRIGHT butterfl. west coast U.S.—*A. adippe* var. *cleodoxa, aglaja, charlotta*, et ab *emilia, daphne, dia* et ab. *hudaki, euphrosyne, latonia* et ab. *valdensis, niobe* et ab. *eris* et ab. *pelopia, pales, pandora, paphia* et ab. *nigricans, selene* et ab. *rindaldus*, aberrations, A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (500–512). —*A. aglaja*, Melanismus, LAKATOS Rovart. L. **13** (58–60); date of appearance, STEPHAN Insektenbörse **23** (188). —*A. dia* var. *hudaki*, A. AIGNER Rovart. L. **13** (69–75).—*A. eugenia* var. n. *montana*, BANG-HAAS (127) D. ent. Zs. Iris **19.**—*A. paphia* subsp. n. *tsushimana*; FRUHSTORFER Ent. Zs. Guben **20** (25–26); *paphia valesina*, status, GARBOWSKI (471–474) Wien Verh. zool.-bot. Ges. 1906; *paphia*, hermaphrodite, WENKE Zs. wiss. Zool. **84** (95–138) 2 Taf.—*A. frigga* subsp. n. *annae* Tarbagatai, SUSCHKIN Rev. russ. ent. **6** (5–7).—*A. polaris* var. n. *americana* Arktisch, STRAND (30) Rep. Norweg. Arctic exp. Fram No. 3.

Athyma; = subgen. of *Pantoporia* and revised, with numerous subspp. n.; *jagori* Luzon (402), **sp. n.**; FRUHSTORFER Wien Verh. zool.-bot. Ges. 1906 (384–434).—*A. euloca* Borneo, SHELFORD (107) J. Straits Asiat. Soc. No. 45, **sp. n.**

Byblia goetzius ab. (4) pl. i f. 6, LATHY London Trans. ent. Soc. 1906.—*B. anvatara*, larva and pupa, AURIVILLIUS (3) Uppsala Arkiv. Zool. **3** No. 1.

Cethosia cydippe sangira subsp. n., FRUHSTORFER (215) Ent. Zs. Guben **19.**—*C.* subsp. n., FRUHSTORFER Entomol. Ztg. Wien **25** 1906 (331–335).

Charaxes peculiaris Rhodesia, LATHY (125) Entomologist 1906, **sp. n.**—*C. jasius*, Zucht, REINBERGER Ent. Zs. Guben **20** (29).—*C. durnfordi everetti* ♀, SHELFORD (130) J. Straits R. Asiat. Soc. No. 45.

Cirrochroa; subspp. n. *C. clagia clagina* pl. 1 f. 3, FRUHSTORFER Entomol. Ztg. Wien **25** (323–333).

Cynthia arsinoë varr. n., FRUHSTORFER (215) Ent. Zs. Guben **19.**—*C. erota* varr. n., FRUHSTORFER Entomol. Ztg. Wien **25** (335).

Dryas paphia oviposition, MERRIFIELD (264) Ent. Rec. 1906.

Ecesia [*Aeria* ? ?] *klagesii* **sp. n.** Venezuela, WEEKS (195) Ent. News **17.**

Eresia cf. *Ecesia.*

Ergolis subspp. n., *specularia* and *arca* pl. 1 f. 1, *E. phemonoë* f. 2, FRUHSTORFER Entomol. Ztg. Wien **25** (310–313).

Euphaedra wissmanni **sp. n.** Kongo (25), NIEPELT Ent. Zs. Guben **20.**—*E. peculiaris* Uganda, LATHY (5) pl. i figs. 8 and 9 London Trans. ent. Soc. 1906, **sp. n.**

Euralia wahlbergi and *mima* distinguished, LEIGH (liii–lvii) London Proc. ent. Soc. 1906.

Euripus eurinus varr., FRUHSTORFER (315–318) pl. i figs. 4–6 and pl. ii figs. 7–10 Entomol. Ztg. Wien **25.**

Euryphene entebbiae Uganda, LATHY (5) pl. ii f. 1 London Trans. ent. Soc. 1906, **sp. n.**—*E. mardania*, pupa, AURIVILLIUS (4) Uppsala Arkiv. Zool. **3** No. 1.

Euthalia; revision of Bornean species; SHELFORD Singapore, J. Straits R. As Soc. No. 45 (110–122).—*E. tinna* **sp. n.** with subspp. n. *agniformis* and *paupera*, *E. agnis modesta* subsp. n., *alpheda* subspp. n. *kenodotus, krannon* and *yamuna, decorata: natuna* subsp. n., *jama* Feld. f. tempest. or subsp. n. *jamida;* FRUHSTORFER Insektenbörse **23** (18–19).—*E.* (*Dophla*) *undosa* **sp. n.** Malay penins.; *garuda* subspp. n. *meridionalis* and *purana, vascenta* f. n. *fulica*; FRUHSTORFER T.c. (59–60).—*E. nora* subspp. n., FRUHSTORFER (109–120) D. ent. Zs. Iris **19.**

Grapta chrysoptera **sp. n.** California, WRIGHT butterfl. west coast U.S.

Harma coranus pl. iv figs. 5 and 5A (66), TRIMEN London Trans. ent. Soc. 1906.

Herona marathus subsp. n. *marathon* Tonkin, FRUHSTORFER Entomol. Ztg. Wien **25** (349).

Hypolimnas arakaluk Karolinen Arch., SEMPER (253) D. ent. Zs. Iris **18**, **sp. n.**—*H. bolina, missippus*, mimicry, YOUNG Bombay J. Nat. Hist. Soc. **17** 1906 (418).

Junonia; subspp. n., FRUHSTORFER Entomol. Ztg. Wien **25** (352–362).

Lebadea pava **sp. n.** Batu-Inseln, FRUHSTORFER (121) Ent. Zs. Guben **20**.

Limenitis procris subsp. *undifragus* n., *L. p.* forma temp. *chlaena* n., *L. p.* subsp. *milonia* n., *L. p.* subsp. *minoë* n., *L. p.* subsp. *floresiana* n., FRUHSTORFER Ent. Zs. Guben **20** (61–63).—*L. populi*; ROTHE Ent. Zs. Guben **20** (88–89).

Melitaea aurinia abb. *nigrolimbata, atricolor, impunctata, sesostris, sebaldus* nn., SCHULTZ Ent. Zs. Guben **19** 1906 (205–206); variation in Galway, KITCHIN (31) pl. i Entomologist London 1906.—*M. cinxia, didyma* and *phoebe* varr. n., A. AIGNER Rovart. L. **13** (69–75).—*M. didyma* ab. n. *livida*, KLEMENSIEWICZ (160) Wien Verh. zool.-bot. Ges. 1906.—*M. cinxia* var., LANZ (52–54) Regensburg Ber. natw. Ver. **9**.—*M. athalia*, et ab. *corythalia*, et ab. *navarina, cinxia* et ab. *horváthi, dictynna, didyma* et ab. *alpina* et ab. *fischeri* et ab. *meridionalis, parthenie* et ab. *varia, phoebe, trivia* aberration; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. Budapest **4** 1906 (490–500).—*M. athalia* copula with *Polygonia*, SCHNEIDER (107) D. ent. Zs. Iris **19**.—*M. trivia* var. n. *pseudodidyma*, REBEL (194) Wien Ann. Nat. Hist. Hofmus. **20**.—*M. sindura* var. *sikkimensis* and *M. tibetana*, ELWES (483) London Proc. zool. Soc. 1906.—*M. chalcedon*, pattern variation pupa, RAMSAY Psyche **13** (136) pl. viii.—*M. cerrita, clancha, colonia, eremita, hermosa, sabina, sierra*, **spp. n.**; *abnorma, augustina, leona, mirabilis*, varr. n.; N. America; WRIGHT butterfl. west coast U.S.

Microtia elva-horni subsp. n., REBEL (377) Wien Verh. zool.-bot. Ges. 1906.

Neptidopsis ophione larva, AURIVILLIUS (3) Uppsala Arkiv. Zool. **3** No. 1.

Neptis thisbe varr. n. *obscurior* pl. ix f. 1, *dilutior* fig. 2, *theodora* f. 3, (9); *yunnana* (11) pl. viii f. 1, *nemorum* (12) f. 3, *meloria* (12) f. 5, *annaika* f. 5, *noyala* f. 7, (13), *patricia* (14) f. 6, *sylvana* (16) pl. ix f. 6, *nemorosa* (16) f. 5, *sylvia* (18) f. 4, Chinese Tibet, OBERTHÜR Etudes Lep. comp. fasc. **2**, **spp. n.**

Pantoporia, cf. *Athyma*.

Paromia melania dimorphism and mimicry, OBERTHUR (21–27) pl. vii figs. 1 and 2 Etudes Lep. comp. fasc. **2**.

Phyciodes pascoensis **var. n.**, Washington, WRIGHT butterfl. west coast U.S.

Polygonia c-album variation, SLEVOGT Insektenbörse (152 and 163); ab. f-*album* Esp. bei Berlin, FASSL Ent. Zs. Guben **20** (110).

Potamis ambica martini subsp. n. *ambica miranda* pl. ii f. 11, Sumatra, FRUHSTORFER Entomol. Ztg. Wien **25** (343).

Precis; seasonal forms, POULTON (lvii–lx) London Proc. ent. Soc. 1906.—*P. hedonia apollonia* subsp. n. Sumbawa, FRUHSTORFER Entomol. Ztg. Wien **25** (351).

Prepona meander f. n. *pseudomeander*, FRUHSTORFER Ent. Zs. Guben **20** (150).

Prothoë australis subsp. n. *mafalda, decolorata* form. n. *menodora*, FRUHSTORFER D. ent. Zs. Iris **19** (43–50).

Protogonius hippona characters and variation, KAYE (49–51) Entomologist London 1906.

Pseudacraea albostriata Uganda, LATHY (4) pl. i f. 7 London Trans. ent. Soc. 1906, **sp. n.**—*P. eginoides* **sp. n.** Kamerun (174), SCHULTZE Insektenbörse **23**.

Pyrameis cardui subspp. n. *carduelis, priameis*, SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania **44**; immigration; CAMPBELL-TAYLOR (206, 207) Entomologist 1906 and MATHEW T.c. (209).

Rohana; subspp. n., FRUHSTORFER Entomol. Ztg. Wien **22** (343–347).

Synchloe californica **sp. n.** California, WRIGHT butterfl. west coast U.S.

Terinos clarissa, malayana and *dinnaga* subspp. n., FRUHSTORFER Insektenbörse **23** (12).—*T. thetys* subsp. n. *udaios, T. taxiles* subspp n. *amplior, poros, helleri*, FRUHSTORFER (47–48) T.c.—*T. militium lioneli* nom. n. für *T. clarissa* Nicéville, FRUHSTORFER (104) T.c.—*T.* spp., *militum lioneli* f.

temp., Tenasserim, FRUHSTORFER Entomol. Ztg. Wien **25** (336–341).

Vanessa; experimental variation, SCHÜLKE (142–145) Königsberg Schr. physik. Ges. **46** Sitz. Ber.—*V. antiopa* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (489).—*V. hippomene* variation of larva and pupa, MANDERS (41) Entomologist London 1906—*V. indica, atalanta, cardui,* YOUNG Bombay J. Nat. Hist. Soc. **17** (422).—*V. tameamea* orthography, KIRKALDY (138) Entomologist 1906.—*V. urticae* varr. *ladakensis* Moore u. *chinensis* Leech, Genitalarmatur, taxonomischer Werth, PETERSEN St. Peterburg Hor. Soc. Ent. Russ. **37** (347–351) Taf. IX.; Experimentelle Versuche an Raupen und Puppen; nov. ab. *consentanea* JACHONTOV Rev. russ. ent. **6** (10–18); Goldpuppenbildung; MENSIK Zs. Ent. N. F. H. **31** (15–18); TORKA, Posen Zs. D. Ges. Wiss. natw. Abt. **13** (51–55).

BRASSOLIDAE, MORPHIDAE and allies.

Aemona amathusia oberthuri subsp. n. pl. iv f. 9, *Ae. lena* f. 10, STICHEL Gen. ins. fasc. **36.**

Amathusiinae; the genera, and list of the forms, STICHEL T.c.

Amathusia virgata pl. ii f. 1 (12), STICHEL T.c.

Amathuxidia plateni plateni pl. ii f. 2 and pl. iii f. 3 (15), STICHEL T.c.

Brassolis ornamentalis **sp. n.** Brasilien (209), STICHEL Ent. Zs. Guben **20.**

Catoblepia amphirhoe f. *placita* n., *C. berecynthia* subsp. *adjecta* n.; STICHEL Ent. Zs. Guben **20** (209–210, 217).

Faunis menado menado pl. v f. 11 (33), *aerope excelsus* f. 12 (36), STICHEL Gen. ins. fasc. **36.**

Morphopsis meeki R. and J. pl. iii figs. 2 and 3, JORDAN (759) Nov. Zool. Tring **13.**

Stichophthalma louisa matilda pl. iv f. 7, *S. neumogeni* f. 8, STICHEL (28) Gen. ins. **36.**

Taenaris diana diana pl. v f. 13 (41), *phorcas uranus* f. 14, *selene* pl. vi f. 15, (44), *wahnesi senaria* subsp. n. f. 16 (48), *cyclops agasta* nov. form. f. 17 (49), *artemis myopina* f. 18 (51), STICHEL T.c.—*T. wahnesi* ab. n. *trioculatus,* THIELE Insektenbörse **23** (40).

(*Taenaris;* subspp. n.; FRUHSTORFER, Entomol. Ztg. Wien **24** 1904 (57–89).)

Thaumantis noareddin sultanus subsp. n. (19) pl. iii f. 4, STICHEL Gen. ins. **36.**

Zeuxidia doubledaii sumatrana (104), *nicevillei nicevillei* (105), subspp. n., FRUHSTORFER D. ent. Zs. Iris **19.**—*Z. nicevillei* pl. iii f. 6, STICHEL (22) Gen. ins. **36.**

(*Stichophthalma mathilda* JANET, Paris Bul. soc. ent. **1905,** sp. n.)

SATYRIDAE.

Aphantopus sajanus Sajan, BANG-HAAS (128) D. ent. Zs. Iris **19,** sp. n.—*A. hyperanthus* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (513).

Bia actorion-atalanta var. n., REBEL (224) Wien Verh. zool.-bot. Ges. 1906.

Callerebia waltoni Tibet, ELWES (482) pl. xxxvi figs. 14 and 15 London Proc. zool. Soc. 1906, **sp. n.**

Coenonympha arcania var. n. *macrophthalmica,* GALVAGNI Wien Verh. zool.-bot. Ges. 1906 (81) and (615); ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (513).—*C. mathewi* and *dorus,* CHAPMAN (xcix) London Proc. ent. Soc. 1906.—*C. hero,* egg, GILLMER Insektenbörse **23** (114, 115).

Coenyra rufiplaga Transvaal, TRIMEN (59) pl. iv f. 1, London Trans. ent. Soc. 1906, **sp. n.**

(*Coenonympha vaucheri* (+ aberr. *geminipuncta* nov.) BLACHIER Bul. soc. ent. **1905, sp. n.**)

Erebia rheano var. n. *lederi,* BANG-HAAS (127) D. ent. Zs. Iris **19.**—*E. euryale* var. n. *arctica,* POPPIUS (5) f. 1 Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 3.—*E. medusa* var. *psodea, nerine,* abb.; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (512).

Henotesia ochracea Angola, LATHY (1) pl. i f. 1 London Trans. ent. Soc. 1906, **sp. n.**

Melampias epiphron partial second brood, ALDERSON (265) Ent. Rec. 1906.

Melanargia galatea and *japygia* varr. n. Ungarn, A. AIGNER Rovart. L. Budapest **13** (69–75); *franzenassi* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat.

Hung. **4** (512).—*M. syllius* ab. n. *limbata* NEUSTETTER (382) Wien Verh. zool.-bot. Ges. 1906.—*M. lachesis* egg and young larva, POWELL (302–305) pl. xiv Ent. Rec. 1906.—*M. lucasi* egg and early stages, (29) pl. iii f. 8, LUCAS Paris Ann. soc. ent. **75**.

Neocoenyra jordani Zanzibar, REBEL (647) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Pararge nutakana **sp. n.** Formosa, MATSUMURA Annot. Zool. Jap. **6** (11) pl. i f. 6.—*P. achine* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (512–513).

Pronophila rosenbergi, unifasciata, Ecuador, LATHY (77) Entomologist 1906, **spp. n.**

Pseudonympha and *Neocoenyra* (61), *P. duplex* var. pl. iv f. 2, *natalii* ♂ (63) f. 3, TRIMEN London Trans. ent. soc. 1906.

Satyrus nagasawae **sp. n.** Formosa, MATSUMURA Annot. Zool. Jap. **6** (10) pl. i. f. 3.—*S. stephensi* **sp. n.** California and Oregon, WRIGHT butterfl. west coast U.S.—*S. briseis* L., AIGNER-ABAFI Ent. Zs. Guben **20** (11–12); variation, A. AIGNER, Rovart. L. **13** (60–64).—*S. dryas* ab., A. AIGNER (512) T.c.

Ypthima riukiuawa **sp. n.** Okinawa, MATSUMURA Annot. Zool. Jap. **6** (11) pl. i f. 2.

ERYCINIDAE.

Abisara wallacei theodosia subsp. n.; FRUHSTORFER Ent. Zs. Guben **19** (215–216).

Charis suapure **sp. n.** Venezuela, WEEKS (199) Ent. News **17**.

Euselasia tysoni **sp. n.** Venezuela, WEEKS (199) T.c.—*E. howlandi* Venezuela, WEEKS (79) Canad. Ent. **38, sp. n.**

Lemonias mormo and *virgulti*, life-histories, correction COOLIDGE Ent. News **17** (140).

Mesene rochesteri Venezuela, WEEKS (77) Canad. Entomol. **38, sp. n.**

Methonella carveri **sp. n.** Venezuela, WEEKS (200) Ent. News **17**.

Nemeobius lucina L. ab. *schwingenschussi* nov. ab. Krain, REBEL Wien JahrBer. Entom. Ver. **16** (53–73); ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. Budapest **4** (513–514).

Nymphidium blakei Venezuela, WEEKS (78) Canad. Entomol. **38, sp. n.**—*N. quinoni* **sp. n.** Venezuela, WEEKS (201) Ent. News **17**.

LYCAENIDAE.

Generic names and types of genera, TUTT (129–132) Ent. Rec. 1906.

Aphnaeus takanonis **sp. n.** Hontō, MATSUMURA Annot. Zool. Jap. **6** (12) pl. i f. **7**.

Arrugia protumnus (Linn.) pl. vi figs. 20, 20a, 20b, (80); TRIMEN London Trans. ent. soc. 1906.

Aslauga; spp. and sexes; TRIMEN (81) T.c.

Callophrys rubi subsp, *cinerascens*. SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania **44**.

Candalides owagarra (100), *meeki, sublutea*, (101), *grandis* (102), New Guinea; BETHUNE-BAKER Ann. Mag. Nat. Hist. London ser. 7 **17, spp. n.**

Catochrysops kabrosae (107), *acholi, nandiana*, (108), E. Africa; BETHUNE-BAKER T.c., **sp. n.**

Celastrina **gen. n.** type *argiolus*, TUTT (131) Ent. Rec. 1906.

Chilades trochilus var. n. *grisea* Cyprien, A. AIGNER Rovart. L. **13** (69–75).

Chrysophanus del sud **sp. n.** California, WRIGHT, butterfl. west coast U. S.—*C. virgaureae* var. n. *armeniaca*, BANG-HAAS (128) D. ent. Zs. Iris **19**.—*C. alciphron* ab. *intermedia* LOWE (90) Entomologist 1906; *C. alciphron, dispar* var. *rutilus*, abb., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (514).—*C. dispar*, pupa, hairs etc., CHAPMAN (15–17) pl. i Ent. Rec. 1906; var. *miegii*, pupa trumpet hairs, Id. T.c. (89) pl. iv.

(*Chrysophanus phoebus* Maroc, BLACHIER, Paris Bul. soc. ent. **1905**, sp. n.).

Cyaniris drucei (102), *acesina* (103), New Guinea; BETHUNE-BAKER Ann. Mag. Nat. Hist. ser. 7 **17, spp. n.**

Deloneura (68), *millari* **sp. n.** pl. iv figs. 6, 6a, 6b, (69); TRIMEN London Trans. ent. soc. 1906.

Deudorix grandis R. and J. pl. iii figs. 9 and 10, JORDAN (759) Nov. Zool. Tring **13.**

Durbania limbata Trim. pl. vi f. 21, *saga* f. 22, TRIMEN (82) London Trans. ent. Soc. 1906.

Epitola mengoensis East Africa, BETHUNE-BAKER (105) Ann. Mag. Nat. Hist. **17, sp. n.**

Hypochrysops meeki R. and J. pl. iii f. 16, JORDAN (759) Nov. Zool. Tring **13.**

Hypolycaena jacksoni E. Africa, BETHUNE-BAKER (106) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**—*H. aureolineata* Toro, BETHUNE-BAKER (340) Op. cit. **18, sp. n.**

Iaspis Kaye; type is *Thecla temesa;* DRUCE (334) Ann. Mag. Nat. Hist. ser. 7 **17.**

Incisalia irus, natural history (141–144, 181–185) plates i and ii, *augustus* natural history (214–217) pl. iii, COOK Canad. Entomol. **38.**

Lachnocnema busoga E. Africa, BETHUNE-BAKER (105) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

Lampides balcanica, ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (514–515).

Liptena libyssa orientalis subsp. n. (339); *L. subpunctata* **sp. n.** Nigeria (340); BETHUNE-BAKER Ann. Mag. Nat. Hist. ser. 7 **18.**

Loweia alciphron gordius larva, PRIDEAUX (246) Ent. Rec. 1906.

Lycaena younghusbandi Tibet (484) pl. xxxvi f. 10, **sp. n.**, *semiargus* var. n. *annulata* figs. 11 and 12, ELWES (484) London Proc. Zool. Soc. 1906.—*L harae,* **sp. n.** Hontō, MATSUMURA Annot. Zool. Jap. **6** (13) pl. i f. 5.—*L. patricia* Trim. pl. v figs. 8 and 8a (73), *ortygia* figs. 9 and 9a, *tantalus* figs. 10 and 10a, (74), *ignota* f. 11, *pephredo* f. 12, (75), *dolorosa* figs. 13 and 13a, (76), *lucida* figs. 14 and 14a, *stellata* pl. vi figs. 15 and 15a, (77), *metophis* figs. 16 and 16a, (78), *bowkeri* figs. 17 and 17a, *natalensis* figs. 18 and 18a, (79); TRIMEN London Trans. ent. Soc. 1906.—*L. eversmanni* ab. *amplificata, L. eros* ab. *albopicta, L. amanda* ab. *stigmatica, L. meleager* ab. *limbopunctata, L. bellargus* ab. *latefasciata, L. miris* ab. *oblitescens, L. charybdis* ab. *exuta, L. euphemus* ab. *paula, L. alcon* ab. *pallidior,* abb. n., SCHULTZ Ent. Zs. Guben **19** 1906 (214–215).—*L. amanda, argiades* et gen. vern. *polysperchon, argus, arion, bellargus, damon, hylas, icarus, orbitulus, semiargus,* Aberrations, A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (515–517).—*L. corydon* var. *corydonius,* SHELDON (ix–xii) London Proc. ent. Soc. 1996; ab. n. *seminigra,* PREISSECKER (87) Wien Verh. zool.-bot. Ges. 1906; var. n. *torgniensis* (157), HAVERKAMPF Bruxelles Ann. Soc. ent. Belgique **50.**—*L. bellargus* and *damon* varr. n. Ungarn., A. AIGNER Rovart. L. Budapest **13** (69–75).—*L. escheri-rondoni* subsp. nov. Ch. OBERTHUR (57) Paris Bull. Soc. entom. 1906.—L. *amyntas et coretas,* variation and distribution; OBERTHUR Ch. Feuille jeunes natural. **36** (149).—*L. argus,* copula, GILLMER Insektenbörse Leipzig **23** (136).—*L.* sp. n. *L. icarus persica* und *L. elvira,* Aralsee, TSCHETVERIKOW Taškent Turk. Otd. Russ. Gegr. Obšč. **4** (30–36).—*L. melimona* var. n. California, WRIGHT, butterfl. west coast U. S.—*L. arion* larval habits, FROHAWK (145–147) Entomologist 1906; ROTHSCHILD (172) T.c.—*L. alcon* ovum, SICH (263) Ent. Rec. 1906.—*L. amanda,* egg, GILLMER Insektenbörse Leipzig **23** 1906 (114–115).

(*Lycaena icarus* Rott., ab. *polyphemus* Esper, *melanotoxa Pincitore* LEONHARDT, Naturalista sicil. Palermo **18** 1905 (1–3).)

(*Lycaenesthes affinis* nom. mut. (=*Lycaenesthes modestus* Waterhouse not *L. modestus* Standinger) WATERHOUSE and TURNER Sydney N.S.W. Proc. Linn. Soc. **29,** (801).)

Myrina sharpei, Uganda, BETHUNE-BAKER (106) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

(*Neolucia* gen. n. Type *Lycaena agricola* Westwood, WATERHOUSE and TURNER, Sydney N.S.W., Proc. Linn. Soc. **29** (803).)

(*Nesolycaena* gen. n. Type *Holochila albosericea* Miskin, WATERHOUSE and TURNER, Sydney N.S.W. Proc. Linn. Soc. **29** (801).)

Paraduba **gen. n.** near *Nacaduba,* (103), *owzgarra* **sp. n.** British New Guinea (104); BETHUNE-BAKER T.c.

(*Paralucia* gen. n. Type *Lucia pyrodiscus* Rosenstock, WATERHOUSE and

TURNER, Sydney N.S.W. Proc. Linn. Soc. **29** (802).

Parelodina aroa, colour, BETHUNE-BAKER (100) Ann. Mag. Nat. Hist. **17.**

Pentila ntebi Uganda; BETHUNE-BAKER, (105) T.c., **sp. n.**—*P. catori* Nigeria, BETHUNE-BAKER (339) Op. cit. **18, sp. n.**

(*Polycaena camelita* OBERTHÜR, Paris Bul. Soc. ent. **1903,** (268–270) sp. n. Rhopaloceres Erycinides.)

Polyommatus gordius Esp. var. n. *diniensis* CH. OBERTHUR (25) Paris Bull. Soc. entom. **1906.**—*P. astrarche*, variation with varr. n., HARRISON (236, 237) Ent. Rec. 1906.—*P. corydon* varr. in Spain, SHELDON (118) Ent. Rec. 1906; variation in Britain, PICKETT (46–52) London Trans. City Nat. Hist. Soc. 1905. —*P. donzelii* early stages MCDUNNOUGH (313–316) Ent. Rec. 1906.—*P. astrarche* larval habits, HARRISON (247) Ent. Rec. 1906.

Rumicia **gen. n.** type *phlaeas*, TUTT (131) Ent. Rec. 1906.

Spindasis tavetensis E. Africa, LATHY (6) pl. i f. 10 London Trans. ent. Soc. 1906, **sp. n.**

Thecla avalona **sp. n.** California, WRIGHT butterfl. west coast U.S.—*T. madie, carteri*, (197), *hosmeri* (198), Venezuela, WEEKS Ent. News **17, spp. n.** —*Thecla ilicis* var. n. *fountaineae*, Algier, A. AIGNER Rovart L. **13** (69–75).—*T. w-album* var. *meridionalis*, *T. pruni* subsp. *pallescens*, SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania **44.**—*T. w-album* pupal skin and hairs, CHAPMAN (263) pl. xi Ent. Rec. 1906.

Thestor ballus ovum, SICH, food-plant CHAPMAN; (293) Ent. Rec. 1906.

Zephyrus quercus subsp. *bellus*, *Z. betulae* subsp. *unistrigata*, SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania **44**; pupal skin and pupal hairs, CHAPMAN (237) pl. Ent. Rec. 1906.—*Z. betulae*, Raupe, GILLMER Insektenbörse **23** (56); Ei und Eiablage, GILLMER Insektenbörse **23** (42–43).

Zeritis oreas Trim. (80) pl. vi figs. 19 and 19a, TRIMEN London Trans. ent. Soc. 1906.

Zizera drucei Madagascar, BETHUNE-BAKER (109) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

HESPERIIDAE.

Catalogue of palearctic Urbicolides, TUTT 195–198 Ent. Rec. London **18.**

On Dr. Dyar's review of the *Hesperidae*; SKINNER Ent. News **17** (110–112).

Achlyodes melcheri Venezuela, WEEKS (176) Canad. Entomol. **38, sp. n.**

Adopaea thaumas subsp. *pallens* f. *pallida*, SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania **44.**

Aethilla buffumi Venezuela, WEEKS (174) Canad. Entomol. **38, sp. n.**

Carystus ambrosei Venezuela, WEEKS (67) Psyche **13, sp. n.**—*C. richardi* **sp. n.** Venezuela, WEEKS (201) Ent. News **17.**

Ceratrichia brunnea E. Africa, BETHUNE-BAKER (343) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**

Chaerephon boulleti Perou, MABILLE (67) Paris Bull Soc. entom. **1906, sp. n.**

Cyclopides ogwanyi East Africa, BETHUNE-BAKER (110) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

Erycides nakawara **sp. n.** Venezuela, WEEKS (70) Psyche **13.**

Nisoniades lacustra **sp. n.** California, WRIGHT butterfl. west coast U. S.—*Nisoniades plummertini* **sp. n.** Venezuela, WEEKS (73) Psyche **13.**

Oxybadistes ardea N. Guinea, BETHUNE-BAKER (343) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**

Padraona chrysozona, life-history, BANKS (212) pl. ii Philipp. J. Sci. **1.**

Pamphila californica, chiapa, **spp. n.**, California, WRIGHT butterfl. west coast U. S.—*P. bryanti, chinoba*, Venezuela, WEEKS (175) Canad. Entomol. **38, spp. n.**—*P. bobae* (203), *brooksii* (204) Venezuela WEEKS Ent. News **17, spp. n.** —*P. verdanta* (67), *mengeli* (68), *winslowi* (69), **spp. n.**, Venezuela, WEEKS Psyche **13.**

Pardaleodes kamagamba, torensis, Africa, BETHUNE-BAKER Ann. Mag. Nat. Hist. ser. 7 **18, spp. n.**

Parnara ogasawarensis **sp. n.** Ogasawarajima, MATSUMURA Annot. Zool. Jap. **6** (13) pl. i. f. 4.

Plestia kikkawai Venezuela, WEEKS (177) Canad. Entomol. **38, sp. n.**

Pyrgus occidentalis **sp. n.** Arizona, SKINNER (96) Ent. News **17.**—*P. syrichtus, tessellata, occidentalis* and *montivagus*; SKINNER Ent. News **17** (277–278 pl. xii).—*P. centaureae*, southern range, COOK (99) Ent. News **17.**

Pythonides hoyti **sp. n.** Venezuela, WEEKS (202) Ent. News **17.**

Sarangesa ganyi East Africa, BETHUNE-BAKER (109) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**—*S. tsava* (341), *subalbicans* (342), Africa, BETHUNE-BAKER Op. cit. **18, spp. n.**

Thanaos parkeri **sp. n.** Venezuela, WEEKS (72) Psyche **13.**—*T. propertius* var. n. *borealis*, CARY Washington U. S. Nation. Mus. Proc. **31.**—*T. martialis* variability of genitalia, *T. ansonius* Lintn. is a sport, COOK New York J. Ent. Soc. **14** (125–128) pl. iii.

Thymele pervivax var. n. *aleanderi* Venezuela, WEEKS (71) Psyche **13.**

Urbicola comma, larva trumpet hairs, CHAPMAN (117) pl. v Ent. Rec. 1906.

(*Augiades faunus*, Gavarnie, TURATI, Naturalista sicil. Palermo **18** 1905 (36–33), sp. n.)

Heterocera.

CASTNIIDAE, SESIIDAE.

Castnia icarus, variation, (760) pl. x figs. 1–4, JORDAN Nov. Zool. Tring **13.**

Sesia rufibasalis **sp. n.** Schweiz (190), BARTEL Ent. Zs. Guben **19.**—*S. culiciformis* var., PLUM (189) Entomologist 1906.

Synemon phaeoptila Queensland, TURNER (136) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Trochilium lasicera Tibet, HAMPSON (495) London Proc. Zool. Soc. 1906, **sp. n.**—*T. andrenaeforme* life history, ROTHSCHILD, BANKES and CHAPMAN London Trans. ent. Soc. 1906 (471–482) pl. xxviii.

SPHINGIDAE.

Sphingidae dans les faunes paléarctique et en partie paléanarctique (émodosérique) (Russ.) KUSNEZOV St. Peterburg Hor. Soc. Ent. Russ. **37** 1906, (293–343).

Hybrid *Thaumas vespertilio* × *Hyles euphorbieae* = *densoi* n. hybr., MUSCHAMP (237) Ent. Rec. 1906.

Acherontia atropos ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (517–518); TÁBORSKY Ent. Zs. Guben **20** (53–54); Entpuppungsakt, BLUMENTHAL Insektenbörse Leipzig **23.**

Amorpha populi varr., GILLMER Wiesbaden Jahrb. Ver. Natk. **59** (157–171) 1 Taf.; varr. discussed, GILLMER (29 etc.) pl. iii Ent. Rec. 1906.

Chaerocampa boisduvalii, AUSTAUT Ent. Zs. Guben **19** (181–183).—hybr. *pernoldi* Jcs., JACOBS D. ent. Zs. Iris Berlin **18** (321–327) mit 1 Taf.

Compsogene panopus celebensis subsp. n., ROTHSCHILD and JORDAN (179) Nov. Zool. Tring **13.**

Daphnis nerii, Raupe, DIEHM Insektenbörse Leipzig **23** (376); tubercles of larva, taxonomy, BACOT (306) pl. xiv Ent. Rec. 1906.

Deilephila euphorbiae rufescens variation, GATNAR (645) Wien Verh. Zool.-bot. Ges. 1906; var. n., PIEZCZEK (6) Wien Verh. Zool. bot. Ges. 1906.—*D. gallii* zweite Generation, HILLER Ent. Zs. Guben **19** (179–180); BRÄUNLICH Ent. Zs. Guben **20** (110–111).—*D. nicaea* var. n. *crimaea*, BANG-HAAS (129) D. ent. Zs. Iris **19.**—var. *livornica* an der Dent du Midi, DENSO Ent. Zs. Guben **20** (155–156).—*D. placida salomonis* subsp. n., ROTHSCHILD and JORDAN (181) Nov. Zool. Tring **13.**—*D. vespertilio* ab. *flava* (21) pl. ii f. 6, BLACHIER Paris Ann. soc. ent. **75.**

(*Deilephila vespertilio* ab. *flava* ab. n. BLACHIER, Paris Bul. soc. ent. **1905,** (52–54).)

Dilina tiliae ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (518).

(*Epistor boisduvali* OBERTHÜR, Paris Bul. soc. ent. **1904,** sp. n.)

Eupteryx molucca subsp. n. *obiana*, HUWE (322) pl. vi f. 5 Berliner ent. Zs. **50.**

Euryglottis albostigmata basalis subsp. n., ROTHSCHILD and JORDAN (178) Nov. Zool. Tring **13.**

Hippotion jordani **sp. n.** Dammer Ins., HUWE (327) pl. vi f. 3 Berliner ent. Zs. **50.**—*H. osiris* Dalm. (167) f. 28, DISTANT Ins. transvaal.

(*Lepchina* gen. n., *tridens* sp. n. OBERTHÜR, Paris Bul. soc. ent. **1904**, (76–79).)

Libyoclanis **gen. n.**, *bainbridgei* **sp. n.** Sierra Leone, ROTHSCHILD and JORDAN (180) Nov. Zool. Tring **13.**

Macroglossa stellatarum, experiments as to senses and intelligence, PLATEAU (141–180) Bruxelles Mem. Soc. ent. Belgique **12**; instinct, WILLEM (418–420) Bruxelles Ann. Soc. ent. Belgique **50.**—*M. hirundo samoanum* and *h. confluens* subspp. n. ROTHSCHILD and JORDAN (407) Nov. Zool. Tring **13.**

Marumba rothschildi **sp. n.** Batjan, HUWE (319) pl. vi f. 4 Berliner. ent. Zs. **50.**—*M. sperchius*, moulting, (Japanese); KOTAKE Konch. Sek. Gifu **10** 1906 (320–322).

Meganoton thielei **sp. n.** Sumatra, HUWE T.c. (316) pl. vi f. i.

Metospilus porcellus var. n. *colossus*, BANG-HAAS (129) D. ent. Zs. Iris **19.**

Pholus vitus fuscatus subsp. n., ROTHSCHILD and JORDAN (181) Nov. Zool. Tring **13.**

Polyptychus anochus, Sierra Leone, ROTHSCHILD and JORDAN (179) T.c., **sp. n.** —*P. poliades* Ashanti, ROTHSCHILD and JORDAN (406) T.c., **sp. n.**

Protambulyx xanthus Costa Rica, ROTHSCHILD and JORDAN (179) T.c., **sp. n.**

Protoparce fosteri Paraguay, ROTHSCHILD and JORDAN (178) Nov. Zool. Tring **13, sp. n.**

(*Rhagastis jordani* OBERTHÜR, Paris Bul. soc. ent. **1904**, (13–14), sp. n.)

Smerinthus ocellata, schnelle Entwicklung, HADER Ent. Zs. Guben **19** (203). —*S. populi* Zwitter, VOLAND Ent. Zs. **20** (118); gynandromorph, GRÖNBLOM Helsingfors Medd. Soc. Fauna Fl. Fenn. **13** (17–19) 1 fig.; *S. tiliae*, date d'éclosion de, DUPUY Paris Bul. soc. ent. **1906** (218–219).

Sphinx ligustri photographische Darstellungen der letzten Häutung, JARREN Kosmos Stuttgart **3** 1906 (347–350).

Temnora angulosa Congo, ROTHSCHILD and JORDAN (182) Nov. Zool. Tring **13, sp. n.**

Typhosia **gen. n.** near *Lycosphinx* (406), *illustris* **sp. n.** Ashanti (407), ROTHSCHILD and JORDAN T.c.

Xylophanes fosteri Paraguay (182), *dolius* Ecuador, *cosmius* (183), *pyrrhus* (185), Peru, **spp. n.**; *X. chiron lucianus* (184) and *cubanus* (185) subspp. n.; ROTHSCHILD and JORDAN T.c.—*X. turbata* Edw. (325) pl. vi f. 2, *clara* Druce (326), HUWE Berliner ent. Zs. **50.**

(*Xylophanes nabuchodonozor* OBERTHÜR, T.c., sp. n.)

BOMBYCES.

S. l. including *Chalcosiidae*, *Psychidae*, *Hepialidae*, *Cossidae*, *Agaristidae* and various groups of more or less doubtful position. *Uraniidae*, *Epiplemidae* vide GEOMETRIDAE; *Thyrididae* vide PYRALIDAE.

Acanthopsyche opacella, validity, HEYLAERTS (97) Bruxelles Ann. Soc. ent. Belgique **50.**

Actias selenae var. *artemis* Brem., metamorphosis, (Japanese); NAWA Konch. Sek. Gifu **10** 1906 (233–234). —*A. luna*, Zucht, EBNER Ent. Zs., Guben **20** (41–43).

Adoneta gemina **sp. n.** Texas, DYAR (200) Brooklyn Mus. Bull. **7.**

Aegocera leighi Durban, JORDAN (161) Nov. Zool. Tring **13, sp. n.**

Aethria langleyi, *eliza*, Venezuela, **spp. n.**, KLAGES (543) Washington U. S. Nation. Mus. Proc. **29.**

Agkonia ovifera Peru, DOGNIN (181) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Aglia tau L., FUCHS Natw. Zs. Landw. Stuttgart **4** 1906 (153–158).

Albarracina korbi var. ?, BANG-HAAS (130) D. ent. Zs. Iris **19.**

Amastus rumina (= *Phaegoptera aconia* Dr. Biol. Centr.-Amer.) Costa Rica, *semifulvus* Peru, DRUCE (84) Ann. Mag. Nat. Hist. ser. 7 **18, spp. n.**

Andrhippuris caudaequina Karsch pl. x f. 12, JORDAN (761) Nov. Zool. Tring **13.**

Anodonta gigantea (408), *euribya* (409), Peru; DRUCE Ann. Mag. Nat. Hist. ser, 7 **17, spp. n.**

Anthela ekeikei = (*Collusa ekeikei*), BETHUNE-BAKER (191) Nov. Zool. Tring **13.**—*A. uniformis* Swinh. (as *Darala*) = (*niphomacula* Low.), TURNER (127) Adelaide S. Aust. Trans. R. Soc. **30.**

Antheraea cordifolia **sp. n.** Celebes, WEYMER D. ent. Zs. Iris. **19** (71).—*A. pernyi* Guer., metamorphosis (Japanese); NAWA Konch. Sek. Gifu **10** 1906 (106–108).—*A. yamamai*, metamorphosis (Japanese); NAWA T.c. (146–147).

Antichloris quartzi **sp. n.** Venezuela, KLAGES (548) Washington U. S. Nation. Mus. Proc. **29.**

Apatelodes seraphica **sp. n.** Texas, DYAR (197) Brooklyn Mus. Bull. **1.**—*A. striata, bicolorata*, Peru, DRUCE (93) Ann. Mag. Nat. Hist. ser. 7 **18, spp. n.**

Arachnis semiclara **sp. n.** N. America, STRETCH (124) pl. xii f. 18 New York J. ent. Soc. **14.**

Araeogyia phaeopasta Darjiling, HAMPSON (492) pl. xxxvi f. 22 London Proc. Zool. Soc. 1906, **sp. n.**

Arbela orima Peru, DRUCE (414) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

Arctiidae and allies, North American; STRETCH New York J. Ent. Soc. **14** (117–125) pls. ii–xii (sep. enum.).—*Arctiidae*; STEPHAN Die Falter und Raupen unserer Bärenschmetterlinge. Natur u. Kultur München **3** (618–624).

Arctia caja var. n. *flava*, *A. hebe* var. n. *wassi*, A. AIGNER Rovart. L. Budapest **13** (69–75).—*A. caja*, Melanismus LAKATOS Rovart. L. **13** (58–60).—*A. aulica, caja, maculosa*, abb.; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (528–530).—*A. maculosa* varr., SCHIMA (229) Wien Verh. Zool.-bot. Ges. 1906.

Argyroeides auranticincta (544), *suapurensis* (545), Venezuela, **spp. n.**, KLAGES Washington U. S. Nation. Mus. Proc. **29.**

Argyrolepidia pamphila, ombiranus, JORDAN (161) Nov. Zool. Tring **13.**—*A. palaea* R. and J. pl. iii f. 15, JORDAN (761) T.c.

Aroa globula Sumatra, SWINHOE (544) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

Arsenura biundulata Brazil (85), *drucei* Panama, *thomsoni*, (86), *samba* (87), Guiana, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Asota carsina Nias isld., SWINHOE (407) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**

Asura rhodina R. and J. pl. iii f. 12, JORDAN (761) Nov. Zool. Tring **13.**

Athletes Karsch; REBEL D. ent. Zs. Iris **18** (268–275).—*A. semialba*, REBEL (97) op. cit. **19.**

Attacus cynthia, in Strassburg, SCHERDLIN Ent. Zs. Guben **20** (77–78, 83).—*A. orizaba*, Zucht, LAUBE Insektenbörse Leipzig **23** (164).

Automeris meridana (87), *vomona, annulata, innoxia*, (88), Guiana, *pomifera* Peru, *jucundoides* Guiana, (89), *hamata* Venezuela, *moresca, parilis*, Guiana, (90), *orodina* Paraguay, *curvilinea* Peru, (91), **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**—*A. umbrosa* **sp. n.** Argentinien, WEYMER D. ent. Zs. Iris **19** (74).

Automolis semibrunnea (81), *roseofasciata* (82), Peru; DRUCE Ann. Mag. Nat. Hist. **18, spp. n.**—*A. brunneireta, rubrireta*, Peru, DOGNIN (182) Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Bantuana **gen. n.** *Striphnopterygidae, cregoei* **sp. n.** Transvaal, DISTANT (167) f. 29 Ins. transvaal.

Barsine syntypica Sumatra, SWINHOE (540) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

Birthama haplopis, delocrossa, Queensland, TURNER (139) Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Bombyx inornata Peru, DRUCE (90) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**—*B. quercus*, Zucht, HOFFMANN Ent. Zs. Guben **20** (52–53).—*B. pini*, in Norwegen, THORSEN Kristiania Tidssk. Skogbr. **14** (334–338).—*B. mori*, GAL (7e Note), Nîmes Bul. soc. étud. sci. nat. **33** 1906 (87–97); heredity, TOYAMA Biol. Centralbl. **26** (321–334); Parthénogenèse artificielle des œufs, Recherches expérimentales, QUAJAT, Mâcon Bul. soc. sci nat. **2** 1906 (218–229).

Brachylia florita Peru, DRUCE (414) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

Brahmaea japonica, metamorphosis (Japanese), NAWA Konch. Sek. Gifu **10** 1906 (415–416).

Bunaea regalis Africa, REBEL (99) D. ent. Zs. Iris **19, sp. n.**—*B. macrothyris* Angola, ROTHSCHILD (189) Nov. Zool. Tring **13, sp. n.**

Cacostatia umbraticola **sp. n.** Venezuela, KLAGES (551) Washington Nation. Mus. Proc. **29.**

Cadurca **gen. n.** *Lymantriidae, venata* **sp. n.** W. Africa, SWINHOE (546) Ann. Mag. Nat. Hist. ser. 7 **17.**

Caligula japonica metamorphosis (Japanese); NAWA, Konch. Sek. **10** 1906 (63-64).

Callidrepana discipunctata, superba, Brit. New Guinea, WARREN (61) Nov. Zool. Tring **13, spp, n.**

Callimorpha quadripunctaria ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (530).

Calonotos plumulatus **sp. n.,** Venezuela, KLAGES (541) Washington U. S. Nation. Mus. Proc. **29.**

Calophasia casta var. n. *biroi* Ungarn, A. AIGNER Rovart. L. **13** (69–75).

Caprimima aenea R. & J. pl. iii f. 11, *metallica* f. 17, JORDAN (761) Nov. Zool. Tring **13.**

Carama bella, modificata, (87), *fusca, distincta, rufidorsata,* (88), *nox, nigrovenosa,* Peru, *parmata* Brazil, (89); DRUCE Ann. Mag. Nat. Hist. ser. 7 **18, spp. n.**

Carthara bifasciata, Peru, DRUCE (91) T.c., **sp. n.**—*C. roseilinea* Brazil (95), *umbrata* Chiriqui (96), **spp. n.,** SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Cariria vestalis **sp. n.** Guiana, SCHAUS (93) T.c.

Ceramidia caurensis **sp. n.** Venezuela, KLAGES (548) Washington U. S. Nation. Mus. Proc. **29.**

Chalcosia; varr., sexes, (174–178), *costimacula batakkorum* new form (178), DOHRN Stettiner ent. Ztg. **67.**

Chrysocale quadruplex Colombia, DOGNIN (180) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Chrysopsyche lamani Congo (9) pl. i f. 4, with larva (10), AURIVILLIUS Uppsala Arkiv. Zool. **3** No. 1, **sp. n.**

Cithene hodeva Peru, DRUCE (87) Ann. Mag. Nat. Hist. ser. 7 **18, sp.n.**

Clania vaulogeri Tonkin, *joannisii* Manila, HEYLAERTS (101) Bruxelles Ann. Soc. ent. Belgique 1906, **spp. n.**

Cochlidion creticum Crete, REBEL (236) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Collusa ekeikei cf. *Anthela.*

Copaxa rufinans Mexico, *marona,* (92), *lineata* (93), Guiana, **spp. n.**. SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Copidryas cosyra early stages, KUNZE (133) New York J. ent. Soc. **14.**

Cosmosoma rubrigutta **sp. n.** Arizona, SKINNER (96) Ent. News **17.**—*C. hampsoni* **sp. n.** Venezuela, KLAGES (534) Washington U. S. Nation. Mus. Proc. **29.**—*C. achemon* var. n. *bolivarensis,* KLAGES (536) T.c.—*C. pytna* Trinidad, *villia* Peru, DRUCE (78) Ann. Mag. Nat. Hist. **18, spp. n.**

Cossus cossus, Entwicklung, FRINGS Ent. Zs. Guben **20** (53).

Costria ockendeni Peru, DRUCE (93) Ann. Mag. Nat. Hist. **18, sp. n.**

Cyclosia; spp. and synonymy, DOHRN (168–170) Stettiner ent. Ztg. **67.**

Darala uniformis cf. *Anthela.*

Dasychira pulchra (544), *postalba, rocana,* Coomassie, *glovera* Uganda, (545); SWINHOE Ann. Mag. Nat. Hist. **17, spp. n.**—*D. anaha* Java and Sumatra, SWINHOE (406) Op. cit. **18, sp. n.**

Dasylophia riparia Peru, DRUCE (409) Ann. Mag. Nat. Hist. **17, sp. n.**

Datana integerrima var. n. *cochise,* DYAR (186) Brooklyn N.Y. Mus. Bull. **1.**

Deilemera fatua **sp. n.** Ost-Afrika, HEYN (213) Ent. Zs. Guben **19.**—*D. marcida* Angola, SWINHOE (548) Ann. Mag. Nat. Hist. **17, sp. n.**—*D. niasana* Nias isld., SWINHOE (406) Op. cit. **18, sp. n.**—*D. adversata* SCHALL. = (*plagifera* Walk.), PROUT (36) Ent. Rec. 1906.

Demas coryli ab. n. *melanotica,* HAVERKAMPF Bruxelles Ann. Soc. ent. Belgique **50** (158).

Diacrisia (*Spilosoma*) *caeria* **sp. n.** Kuku-Noor, PÜNGELER D. ent. Zs. Iris **19** (79).

Dipoena peculiaris Peru, DRUCE (86) Ann. Mag. Nat. Hist. **18, sp. n.**

Doa ? cubana **sp. n.** Matanzas, SCHAUS (94) Washington U. S. Nation. Mus. Proc. **30.**

Dognina botis, carastia, Peru, DRUCE (419) Ann. Mag. Nat. Hist. **17, spp. n.**

Drymonia trimacula var. *dodonaea* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (518).

Dysauxes florida Ile Maurice, JOANNIS (169) pl. ix f. 1 Paris Ann. Soc. ent. **75, sp. n.**—*D. punctata* var. n. *separata* pl. v f. 15, BANG-HAAS (143) D. ent. Zs. Iris **19.**

Dysdaemonia fosteri Paraguay, ROTHSCHILD (189) Nov. Zool. Tring, **13, sp. n.**

Dyspessa kabylaria Tunis, pl. v f. 10, BANG-HAAS (143) D. ent. Zs. Iris **19, sp. n.**—*D. argaeensis* Asia minor, REBEL (205), Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**—*D. ulula* var. = (*pallidata* Stdgr.), REBEL (299) Berliner ent. Zs. **50.**

Echedorus fasciatus Peru, DRUCE (90) Ann. Mag. Nat. Hist. **18, sp. n.**

Eloria cubana Cuba, *aroensis* Venezuela, *serena* Guiana, **spp. n.**, SCHAUS (94) Washington U. S. Nation. Mus Proc. **30.**

Elysius lavinia, terra, Peru, DRUCE (82) Ann. Mag. Nat. Hist. **18, spp. n.**

Endrosa irrorella var. *freyeri*, REBEL (5) Wien Verh. zool. bot. Ges. 1906.—*E. aurita* var. *ramosa* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (530).

Epignopteryx pulla var. *montana* valid, HEYLAERTS (99) Bruxelles Ann. Soc. ent. Belgique **50.**

Epipomponia **gen. n.** for *Epipyrops nawai* Dyar, DYAR (111) New York J. ent. Soc. **14.**

Epipyrops doddi Queensland, ROTHSCHILD (162) Nov. Zool. Tring **13, sp. n.**; with larval habits by DODD T.c. (162–169).

Epyrgis H.-Sch. = (*Callamesia* Butl.) (170), *E. trepsichrois* Butl. (171), DOHRN Stettiner ent. Ztg. **67.**

Erasmia = (*Amesia* Westw.) (172), *lugens* Sumatra, *javana* Java, new forms, DOHRN (173) T.c.

Eucereon ockendeni, antonia, ignota, Peru, *pallada* Parana, (80), *sadana* Peru (81); DRUCE Ann. Mag. Nat. Hist. **18, spp. n.**

Euchromia palewana Pelew islds., SWINHOE (403) Ann. Mag. Nat. Hist. **18, sp. n.**

Euclea dolliana, cf. *Monoleuca spadicis.*

Eulimacodes tersula Peru, DRUCE (90) Ann. Mag. Nat. Hist. **18, sp. n.**

Eumenogaster notabilis var. n. *caurensis*, KLAGES (546) Washington U. S. Nation. Mus. Proc. **29.**

Euprepia pudica Esp. ab. *flaveola* n., SCHULTZ Ent. Zs. Guben **20** 1906 (26).

Euproctis monophyes W. Africa, *cincta* Borneo, *icclomorpha*, (541), *hemibathes* Sumatra, *nessa* Uganda, *ridleyi*, (542), *humida* (543), Sumatra; SWINHOE Ann. Mag. Nat. Hist. **17, spp. n.**—*E. epidela, epaxia*, Queensland, TURNER (125) Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**—*E. chrysorrhoea* ab. n. *nigrosignata*, BANDERMANN Ent. Zs. Guben **20** (97–98); natural history, FELT Albany N.Y. Bull. St. Mus. 103 (14–18) plates ii and viii–x.

Eupterote pulchra Nilgiri hills, SWINHOE (404) Ann. Mag. Nat. Hist. **18, sp. n.**

Eurota eleyans Paraguay, DRUCE (78) Ann. Mag. Nat. Hist. **18, sp. n.**

Eutricha oweni Arizona, BARNES (62) Canad. Ent. **38, sp. n.**

Fumea glaphyrella **sp. n.** Morea, REBEL (297) Berliner ent. Zs. **50.**

Gastroplakaeis maputuana **sp. n.** Westafrika, WICHGRAF Insektenbörse **23** (82).

Gloveria valens Arizona, DYAR (185) Brooklyn N.Y. Mus. Bull. **1, sp. n.**

Gonopteryx u. *Thaumatopoea* Nomenclatur, STICHEL Insektenbörse Leipzig **23** 1906 (100).

Gynautocera reducta, DOHRN (172) Stettiner ent. Ztg. **67.**

Halisidota mincosa Peru, DRUCE (85) Ann. Mag. Nat. Hist. **18, sp. n.**—*Halisidota agramma* Peru, DOGNIN (183) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Haploa confusa, lecontei, varr., breeding experiments; FOSTER Psyche **13** (29–32) pls. ii and iii.

Heliactinidia bimaculata Brazil, DRUCE (85) Ann. Mag. Nat. Hist. **18, sp. n.**

Hemihyalea hades Peru, DRUCE (408) Op. cit. **17, sp. n.**

Hepialus virescens, not *Porina dinodes*, probably is host of the *Cordyceps* fungus; PHILPOTT (175) Entomologist 1906.

Heterocampa ruficornis Arizona, DYAR (185) Brooklyn N.Y. Mus. Bull. **1, sp. n.**—*H. multilineata* (409), *elongata, striata,* (410), Peru; DRUCE Ann. Mag. Nat. Hist. **17, spp. n.**—*H. exsanguis* var. n., DYAR (197) Brooklyn Mus. Bull. **1.**

Heteropan fuscescens Sumatra and Borneo, DOHRN Stettiner ent. Ztg. **67** (182), **sp. n.**

Histia catobia, DOHRN (162) Stettiner ent. Ztg. **67.**

Histiaea monticola **sp. n.** Venezuela, KLAGES (538) Washington U. S. Nation. Mus. Proc. **29.**

Holcocerus difficilis Afghanistan, pl. v f. 12, BANG-HAAS (143) D. ent. Zs. Iris **19, sp. n.**

Homoeocera trizona Venezuela, DOGNIN (178) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Hyaleucerea chapmani **sp. n.** Venezuela, KLAGES (552) Washington U. S. Nation. Mus. Proc. **29.**

Hyalospectra **gen. n.** *Drepanulidae, grisea* **sp. n.** New Guinea, WARREN (62) Nov. Zool. Tring **13.**

Hydrias onoba Peru, DRUCE (91) Ann. Mag. Nat. Hist. **18, sp. n.**

Hylesia terranea **sp. n.** Brazil, SCHAUS (93) Washington U. S. Nation. Mus. Proc. **30.**

Hyphantria cunea, habits, BERGER Washington D.C. Bull. U. S. Dept. Agric. Bur. Ent. No. **60** (41–51); food in Ohio and habits, BERGER Ohio Nat. **6** (453–456).

Hypogymna morio var. n. *natlyi* ♂ Ungarn, A. AIGNER Rovart. L. **13** (69–75).

Hypoplectis adspersaria life-history, LAMBILLION Bruxelles Mem. Soc. ent. Belgique **12** (99–104).

Hypoprepia dollii var. n., DYAR (194) Brooklyn Mus. Bull. **1.**

Ichoria semiopaca Brazil, DOGNIN (179) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Idalus marpessa, syrissa, rhyssa, (407), *manora* (408), Peru, DRUCE Ann. Mag. Nat. Hist. **17, spp. n.**—*I. flavibrunnea* Peru, DOGNIN (181) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Imaus ochrias Queensland, TURNER (126) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Isbarta, the spp. and forms, DOHRN (164–168) Stettiner. ent. Ztg. **67.**

Ischnocampa farinosa Venezuela, DRUCE (83) Ann. Mag. Nat. Hist. **18, sp. n.**

Ixylasia kelleri **sp. n.** Venezuela, KLAGES (550) Washington U. S. Nation. Mus. Proc. **29.**

Janassa lignicolor var. n. *delicata,* DYAR (186) Brooklyn N.Y. Mus. Bull. **1.**

Laelia hemippa Machakos, SWINHOE (543) Ann. Mag. Nat. Hist. **17, sp. n.**

Lasiocampa pini in Schweden 1903 and 1904, MEWES Zs. Forstw. Berlin **38** (39–45).—*L. quercus* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (520).—*L. josua* var. *vaucheri* (23) pl. ii figs. 4 and 5, BLACHIER Paris Ann. Soc. ent. **75.**

Lauron albiplaga **sp. n.** Brazil, SCHAUS (96) Washington U. S. Nation. Mus. Proc. **30.**

Lebeda peruviana Peru, DRUCE (413) Ann. Mag. Nat. Hist. **17, sp. n.**

Leiocampa dictaeoides, retarded emergence, BANKES (41) Ent. Mag. London (42).

Lemonia dumi, DECKER Ent. Zs. Guben **20** (212–214); Ueberliegen der Puppen, HOFFMANN Ent. Zs. Guben **20** 1906 (53).—Nachtrag dazu v. A. Harsch T.c. (89–90); F. Hoffmann T.c. 1907 (257); Ei, DECKER Ent. Zs., Guben **20** (220); Zucht, BRETSCHNEIDER Ent. Zs. Guben **19** 1906 (197–199).—Weiteres darüber v. ARTHUR FRITZSCHE op. cit. **20** 1906 (3–4), u. F. HOFFMANN, T.c. (28–29); and KRÄHE Ent. Zs. Guben **19** (206–207).

Leucoma costalis Uganda SWINHOE (541) Ann. Mag. Nat. Hist. **17, sp. n.**

Levuana **gen. n.** *Zygaenidae* (343), *iridescens* **sp. n.** Fiji (344), BETHUNE-BAKER Ann. Mag. Nat. Hist. **18.**

Lymantria oberthuri Tunisie, LUCAS (26) pl. iii f. 6 Paris Ann. Soc. ent. **75, sp. n.**—*L. postfusca* Ceylon (546), *singapura* Singapore (547); SWINHOE Ann. Mag. Nat. Hist. **17, spp. n.**—*L. dispar* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (519).

Macrocneme affinis (539), *caurensis* (540), **spp. n.**, Venezuela, KLAGES U. S.

Nation. Mus. Proc. **29.**—*M. coerulescens* Venezuela, DOGNIN (180) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Macrothylacia rubi, Behandlung der Raupen vom., DECKER Ent. Zs. Guben **20**.

Macrurocampa marthesia var. n. *miranda*, DYAR (185) Brooklyn N.Y. Mus. Bull. **1.**

Maenas arescopa Queensland, TURNER (118) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Malacosoma neustria var. n. *unicolor* Ungarn., A. AIGNER Rovort. L. **13** (69–75).—*M.* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (519-520).—*M. inducta* var. n. DYAR (195) Brooklyn Mus. Bull. **1.**—*M. castrensis*, hermaphrodite; AUEL Zs. wiss. Insektenbiol. **2** (354–356).

Mantruda **gen. n.** *Lymantriidae* (94), *erratica* **sp. n.** Venezuela (95), SCHAUS Washington U. S. Nation. Mus. Proc. **39**.

Megalopyge pedacia Peru, DRUCE (414) Ann. Mag. Nat. Hist. **17, sp. n.**

Mesothen mysia, flavicostata, Peru; DRUCE, (77) Ann. Mag. Nat. Hist. **18, spp. n.**—*M. aurantiaca* Peru, DOGNIN (178) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Methysia hilda Peru, DRUCE (79) Ann. Mag. Nat. Hist. **18, sp. n.**

Microdota **gen. n.** *Arctianae, lenistriata* **sp. n.** Paraguay, DOGNIN (183) Bruxelles Ann. Soc. ent. Belgique **50.**

Miltochrista miniata aberratio *flava*, MEYER Insektenborse **23** (88).

Mimagyrta pulchella **sp. n.** Venezuela, KLAGES (534) Washington Nation. Mus. Proc. **29.**

Miresa acallis Sumatra, SWINHOE (548) Ann. Mag. Nat. Hist. **17, sp. n.**

Monoleuca spadicis **sp. n.** Arizona, GROSSBECK (289) Ent. News **17**; but T.c. p. 392, is *Euclea dolliana*.

Napata venezuelensis **sp. n.** Venezuela, KLAGES (549) Washington U. S. Nation. Mus. Proc. **29.**—*N. superba* Peru, DRUCE (79) Ann. Mag. Nat. Hist. **18, sp. n.**

Natada amicta W. Africa, SWINHOE (548) Ann. Mag. Nat. Hist. **17, sp. n.**

Neonerita haemasticta Peru, DOGNIN (181) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Neoscaptia albata R. and J. pl. iii f. 8, *aequalis* f. 7, JORDAN (761) Nov. Zool. Tring **13.**

Notodonta ziczac-dromedarius, hybrid, PIERCE (122–124) fig. Entomologist 1906.

Nudaurelia belina-ukerewensis (97), *conradsi* Victoria Nyanza **sp. n.**; REBEL (98) D. ent. Zs. Iris **19.**—*N. ringleri* **sp. n.** West- afrika, WICHGRAF Insektenbörse **23** (83).—*N. dione-venus* subsp. n., REBEL D. ent. Zs. Iris **18,** (273).

Ocha hedila, meroma, patara, Peru, DRUCE (92) Ann. Mag. Nat. Hist. **18, spp. n.**

Onceropyga **gen. n.** *Zygaenidae, anelia* **sp. n.** Queensland, TURNER (137) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Opharus conspicuus, domingona, cornelia, (83), *sestia* (84), Peru; DRUCE Ann. Mag. Nat. Hist. ser. 7 **18, spp. n.**

Oreopsyche angustella bicolorella = (*Pyropsyche moncaunella* Chapm.), HEYLAERTS Bruxelles Ann. Soc. ent. Belgique 1906 (97–100).

Oreta patiens New Guinea, WARREN (62) Nov. Zool. Tring **13, sp. n.**

Orgyia nebulosa Walk., ♀, SWINHOE (404) Ann. Mag Nat. Hist. **18.**

Ormiscodes? *nigrolinea* Peru, DRUCE (413) Ann. Mag. Nat. Hist. **17, sp. n.**

Oxytenis nigropuncta (411), *naemia, leda*, (412), Peru, DRUCE T.c., **spp. n.**

Pachymeta **gen. n.** *Lasiocampidae*, for *contraria* Walk., AURIVILLIUS (8) Uppsala Arkiv. Zool. **3** No. 1.

Pantana droa Hong Kong, SWINHOE (543) Ann. Mag. Nat. Hist. **17, sp. n.**

Parajana **gen. n.** *Striphnopterygidae* (6), *lamani* **sp. n.** Congo (7), AURIVILLIUS Uppsala Arkiv. Zool. **3** No. 1.

Paramelisa **gen. n.** *Arctiidae, lophura* **sp. n.** Congo pl. i f. 2, AURIVILLIUS (13) T.c.

Parasa chapmani larva, AURIVILLIUS (11) f. 6 T.c.

Parasa chloris var. n. *huachuca*, DYAR (186) Brooklyn Mus. Bull. **1.**

Parasa loxogramma to *Momopola*, TURNER (138) Adelaide S. Aust. Trans. R. Soc. **30.**

Parasemia plantaginis variation, Id. T.c. (239–241), and (616); abb. n. *flavi-*

pennis and *borussia*, SCHAWERDA (230, 231) Wien Verh. zool.-bot. Ges. 1906; ab. *hospita* A. AIGNER Ann. Hist.-Nat. Hung. **4** (528).

Pendria **gen. n.** *Lymantriidae* type *Redoa rinaria* Moore, SWINHOE (540) Ann. Mag. Nat. Hist. **17.**

Pendria rotundata Nias isld., SWINHOE (405) Ann. Mag. Nat. Hist. 18, **sp. n.**

Perisomena caecigena, VOGT Ent. Zs. Guben **20** (148); WÜNSCHER Ent. Jahrb. Leipzig **15** 1906 (112–113).

Perola antelia Peru, DRUCE (90) Ann. Mag. Nat. Hist. **18, sp. n.**

Phassus eldorado **sp. n.** Süd-Amerika, PFITZNER D. ent. Zs. Iris Berlin **18** (276).

Phecada joanna **sp. n.** Guiana, SCHAUS (95) Washington U.S. Nation. Mus. Proc. **30.**

Pheia lateralis **sp. n.** Venezuela, KLAGES (533) Washington U.S. Nation. Mus. Proc. **29.**—*P. flavicincta* Tucuman, DOGNIN (178) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Philoros nora Peru, DRUCE (81) Ann. Mag. Nat. Hist. **18, sp. n.**

Philotherma dentata Congo, AURIVILLIUS (8) Uppsala Arkiv. Zool. **3** No. 1, **sp. n.**

Phricodia baroma **sp. n.** hab?, SCHAUS (92) Washington U.S. Nation. Mus. Proc. **30.**

Pitane evora Peru, DRUCE (86) Ann. Mag. Nat. Hist. **18, sp. n.**

Poliopastea verdivittata **sp. n.**, var. n. *fenestrata*, Venezuela KLAGES (541) Washington U. S. Nation. Mus. Proc. **29.**

Pollanisus; valid, table of allies, TURNER (137) Adelaide S. Aust. Trans. R. Soc. **30.**

Pompelon perakana Perak, SWINHOE (407) Ann. Mag. Nat. Hist. **18, sp. n.**—*P. modesta* Sumatra, DOHRN (163) Stettiner ent. Ztg. **67, sp. n.**

Porina dinodes cf. *Hepialus virescens*.

Porthesia acatharta Queensland, TURNER (124) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**—*P. auriflua* larval hibernation, SMITS Feuille jeunes natural. **36** (135), and FRIONNET T.c. p. 152.—*P. similis* ab., A. AIGNER Ann. Hist.-Nat. **4** (518).

Porthetria dispar, natural history, FELT Albany N.Y. Bull. St. Mus. **103** (7–14) pls. i and iii–vii.

Procrimima viridis Brazil, DRUCE (86) Ann. Mag. Nat. Hist. **18. sp. n.**

Pseudaclytia major Peru, DRUCE (79) T.c., **sp. n.**

Pseudaphelia simplex Kongo, REBEL (224) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Pseudargyroeides **gen. n.** *Syntomidae* (546), *caurensis* (547) **sp. n.** Venezuela, KLAGES U. S. Nation. Mus. Proc **29.**

Pseudonyctemera ficta sexes, DOHRN (180) Stettiner ent. Ztg. **67.**

Pseudosphex aurifera (531), *caurensis* (532), Venezuela, **spp. n.**, KLAGES Washington U. S. Nation. Mus. Proc. **29.**

Pseudothymara **gen. n.** for *Pedoptila staudingeri* Rog., REBEL (380) Wien Verh. zool.-bot. Ges. 1906.

Ptilophora plumigera ab., AIGNER Ann. Hist.-Nat. Hung. **4** (518).

Ptychoglene ripena Bolivia, DRUCE (86) Ann. Mag. Nat. Hist. **18, sp. n.**

Ramesa strigata Congo, AURIVILLIUS (7) Uppsala Arkiv. Zool. **3** No. 1, **sp. n.**

Ravigia arcifera **sp. n.** Texas, DYAR (200) Brooklyn Mus. Bull. **1.**

Rebelia plumella H.-S., male structures, MEIXNER Ent. Jahrb. **16** (125–128) 1 Taf.—*R. pectinella* valid, HEYLAERTS (99) Bruxelles Ann. Soc. ent. Belgique **50.**

Rhodia fugax, metamorphosis (Japanese) NAWA Konch. Sek. Gifu **10** 1906 (277–279).

Rhodinia fugax, Zucht, EBNER Insektenbörse **23** (7–8, 10–11).

Rhynchopyga semirufa Peru, DRUCE (78) Ann. Mag. Nat. Hist. **18, sp. n.**

Rhyparia purpurata, ab., AIGNER Ann. Hist.-Nat. Hung. **4** (528).

Rhyparoides metelkana, Biologie (101), CERVA Rovart. L. **13.**

Robinsonia morula Peru, DRUCE (81) Ann. Mag. Nat. Hist. **18, sp. n.**—*R. praphoea* Peru, DOGNIN (181) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Ruscino arida **sp. n.** Arizona, SKINNER (95) Ent. News **17.**

Samia cecropia, natural history in Canada, GIBSON (149–152), MAUGHAN (189), Ottawa Natural. **20**; Number of eggs, DAVIS Ent. News **17** (368–369).

Saturnia ockendeni Peru, DRUCE (411) Ann. Mag. Nat. Hist. **17, sp. n.**—*S. pavonia* L., Zwitter, UFFELN D. ent. Zs. Iris Berlin **18** (278–279).—*S. pyri*, Einbürgerung in Lothringen, GOLTZ Ent. Zs. Guben **20** 1906 (83–84).—Nachtrag dazu v. PREHN, T.c. (101); v. P. DEMUTH (110); v. ROBITZSCH (118); v. *Frhr.* v. d. GOLTZ, T.c. 1907 (263); *pyri* var. *abafii* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (520); *S. pyri*, in Luxemburg, MÜLLENBERGER Ent. Zs. Guben **20** (111).

Saurita diaphana Peru (179), *lasiphlebia* Guiana (180), DOGNIN Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**—*S. anthracina* (537), *venezuelensis, thoracica*, (538), **spp. n.**, KLAGES Washington U. S. Nation. Mus. Proc. **29.**

Schizura errucata **sp. n.** Texas, DYAR (197) Brooklyn Mus. Bull. **1.**

Sciathos roseipuncta Peru, DRUCE (408) Ann. Mag. Nat. Hist. **17, sp. n.**—*S. metaleuca, semirufa*, Peru, DRUCE (89) Op. cit. **18, spp. n.**

Sciopsyche auranticauda **sp. n.** Venezuela, KLAGES (549) Washington U. S. Nation. Mus. Proc. **29.**

Selenephera lunigera und ab. *lobulina*, Zucht, HILLER Ent. Zs. Guben **19** (200).

Semioptila hilaris Deutsch-Ostafrika, REBEL (378) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Semyra mariae **sp. n.** French Guiana, DYAR (30) New York J. Ent. Soc. **14.**

Sphecosoma gracilis **sp. n.** Venezuela, KLAGES (532) Washington U. S. Nation. Mus. Proc. **29.**

Spidia divisa Congo, AURIVILLIUS (10) pl. i f. 3, Uppsala Arkiv. Zool. **3** No. 1, **sp. n.**

Spilosoma mendica ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (528).

Sphingicampa heiligbrodtii early stages, KUNZE (131) New York J. ent. Soc. **14.**

Stichobasis helicinoides, REBEL (297) Berliner ent. Zs. **50.**

Syntomeida befana **sp. n.** Arizona SKINNER (379) Ent. News **17.**

Syntomis libanotica Lebanon, BANG-HAAS (142) D. ent. Zs. Iris **19, sp. n.**

Talis icelomorpha W. Australia, TURNER (90) Brisbane Proc. R. Soc. Queensland **19, sp. n.**

Taragama aegyptiaca Port Said, BANG-HAAS (130) D. ent. Zs. Iris **19, sp. n.**—*T. butiti* Africa, BETHUNE-BAKER (344) Ann. Mag. Nat. Hist **18, sp. n.**

Telea polyphemus, cocoons, KUNZE Ent. News **17** (177–179); FORBES Ent. News **17** (225).

Thyrarctia friga Peru, DRUCE (406) Ann. Mag. Nat. Hist. **17, sp. n.**

Thosea cinereomarginata **sp. n.** Philippines, BANKS Philippine J. Sci. **1** (229); early stages (216) pl. v figs. 1, 2, BANKS T.c.

Tolype minta **sp. n.** Florida, DYAR (195) Brooklyn Mus. Inst. Arts Sci. Bull. **1.**—*T. nigrescens* Peru, DRUCE (91) Ann. Mag. Nat. Hist. **18, sp. n.**

Trichura monstrabilis **sp. n.** Venezuela, KLAGES (542) Washington U. S. Nation. Mus. Proc. **29.**

Triodia remota **sp. n.** Süd-Amerika, PFITZNER D. ent. Zs. Iris Berlin **18** (276).

Tuina cellona Peru, DRUCE (87) Ann. Mag. Nat. Hist. **18, sp. n.**

Turuptiana tessellata Peru, DRUCE (85) T.c., **sp. n.**

Xanthospilopteryx zeodita **sp. n.** Kongostaat (127), NIEPELT Insektenbörse **23**; pl. x f. 7, JORDAN (761) Nov. Zool. Tring **13.**

Xyleutis eremonoma Queensland, TURNER (139) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Zeuzera ramuscula **sp. n.** Texas, DYAR (200) Brooklyn Mus. Bull. **1.**

Zygaena; DZIURZYNSKI Ent. Zs. Guben **19** (184–186); neue oder wenig bekannte Zygaenenformen, BURGEFF Ent. Zs. Guben **20** (153–154, 161–163).—*Z. carniolica* var. n. *klapaleki*, JOUKL Ent. Zs. Guben **20** 1906 (18–20); var. n. *vangeli* Ungarn; A. AIGNER Rovart. L. **13** (69–75).—*Z. carniolica* ab. *jurassica* (21) pl. ii f. 1, *Z. jucunda pygmaeoides* ab. nov. (22), BLACHIER Paris Ann. soc. ent. **75.**—*Z. ephialtes acacus* results of

breeding, PICSZEZEK (12–14) Wien Verh. Zool. bot. Ges. 1906.

The following entries of Bombyces have appeared previously in the Zoological Record.

(*Adelocephala crispola isara* DOGNIN, Naturaliste **27** 1905 (215) spp. n.)

(*Arpyia vinula* BALDUCCI, Firenze, Boll. Soc. Entom., **36**, (117–122, con 1 tav.).)

(**Gal**, Jules. Pont du *Bombyx mori* (2e Note). Nîmes, Bul. soc. étude. sci. nat., **32**, 1905, (68–71).—KELLOGG, *Bombyx mori*, sexual characters, J. Exp. Zool. **1** 1904 (601–605).)

(*Callimorpha*; variation, COVERDALE, Ent. News **16** (154).)

(Dysauxes punctata ab. (et var.?) *ragusaria*. ZICKERT, Fritz. Naturalista sicil. Palermo **17** 1904 (97–98).)

(*Lasiocampa Josua* var. n. *vaucheri* BLACHIER, Paris, Bul. soc. ent., **1905**.)

(*Liparis chrysorrhea* HOULBERT, Rennes, Bul. soc. sci. méd., **14**, 1905, (113–120, av. fig.).)

(*Lycomorphodes calopteridion* Brasil, JOANNIS, Paris Bul. soc. ent. **1904**, (289–291), sp. n.)

(*Syntomis xanthura* (843), *choneutospila* (844), *chromatica* (845), *paradelpha* (846), *prosomoea* (850), spp. n., Australia, *heptespila melitospila dyschlaena* TURNER, Sydney N.S.W. Proc. Linn. Soc. **29**.)

(*S. magistri* nom mut (= *Hydruta aperta* Meyrick not *H.a.p.* Wlk), TURNER, **29** (846) T.c.)

(*Themerastis amalopa*, Múlgrave River Queensland, TURNER Sydney N.S.W. Proc. Linn. Soc. **29** (833), sp. n.)

(*Zygaena aurata* Maroc, BLACHIER, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Zygaena jucunda segregata*, *carniolica jurassica* abb. n. BLACHIER, Paris Bul. soc. ent. **1905** (52–54).)

NOCTUIDAE.

Cucullianae; descriptive catalogue of; HAMPSON Cat. Lep. phal. **6**. No attempt is made below to deal with the large number of changes of generic position made in this work.

Acanthodica pamela **sp. n.** Brazil, SCHAUS (105) Washington U. S. Nation. Mus. Proc. **30**.

Acantholipes bilineata, *ochreovenata*, (264), *dinawa*, *aroa*, *hampsoni purpurasceens*, *aroana*, (265), *alboserrata*, *nigriplaga*, (266), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13**, **spp. n.**—*A. coniochroa* Queensland, TURNER (121) Adelaide S. Aust. Trans. R. Soc. **30**, **sp. n.**

Acontia aroa New Guinea, BETHUNE-BAKER (210) Nov. Zool. Tring **13**, **sp. n.**

Acosmetia caliginosa, habits, SCREIBER (55–57) Regensburg Ber. natw. Ver. **9**.

Acronyctinae: of Chemnitz, life-histories, PABST Ent. Jahrb. **15** (84–93).

Acronycta crenulata, *ekeikei*, *dinawa*, New Guinea, BETHUNE-BAKER (198) Nov. Zool. Tring **13**, **spp. n.**—*A. leporina*, variation, GILLMER, Insektenbörse Leipzig **23** (118–120, 122–124); COCHRANE (100) Ent. Rec. 1906; melanic var., WILLSDON (97) with fig. Entomologist 1906; var. *melanocephala*, MANSBRIDGE (19 and 115) Entomologist London **29**; varietal synonymy, PROUT (146, 147) Ent. Rec. 1906 and TUTT T.c. (147, 148).—*A. psi*, *tridens*, distinctions, CHAPMAN (34–37) 2 plates; London Trans. City Nat. Hist. Soc. 1906.—*A. schlumbergeri* **sp. n.** Schlesien, SCHULTZ (73) Ent. Zs. Guben **20**.

Adrapsa chartalis. Sumatra, SWINHOE (550) Ann. Mag. Nat. Hist. **17**, **sp. n.**

Adrocampa atomosa **sp. n.** Brazil, SCHAUS (124) Washington U. S. Nation. Mus. Proc. **30**.

Aedia melas, *costiplaga*, New Guinea, BETHUNE-BAKER (254) Nov. Zool. Tring **13**, **spp. n.**

Agriopis pryeri (321) pl. civ. f. 4, HAMPSON Cat. Lep. phal. **6**.

Agrotis sturanyi Crete, REBEL (232) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**—*A. spania* Tien-schan (84), *semna* Aschabad, *neara* Merw, (85), *orphnina* Turkestan (86), **spp. n.**, PÜNGELER D. ent. Zs. Iris **19**.—*A. tamerlana* pl. v f. 4, *denticulosa* var. n. *crimaea*, (131); *sanctmoritzi* Switzerland (132) pl. v f. 17, *oranaria* Algeria (133) f. 9, **spp. n.** BANG-HAAS D. ent. Zs. Iris **19**.—*A. ředa* **sp. n.** Nelson (511) pl. xliv. f. 3, HOWES Wellington Trans. N. Zeal. Inst **38**.—

A. canariensis arefacta var. n., REBEL (27) Wien Ann. Nat. Hist. Hofmus. **21.**—*A. eversmanni* in Finland, nec *A. collina*, POPPIUS (12) Medd. Soc. Fauna Fl. Fenn. **32.**—*A. pronuba* ab., A. AIGNER, Ann. Hist. Nat. Hung. **4** (520).—*A. ashworthii* var., MANSBRIDGE (46–49) Southport Rep. Lancash. Chesh. ent. Soc. **30.**—*A. forcipula* Hb. var. n. *helladica*, REBEL Berliner ent. Zs. **50** (294). — *A.* Raupe, SARTORIUS Ent. Zs. Guben **20** (93–94).—*A. interjecta*, Ei und Raupe, GILLMER Ent. Zs. Guben **19** (200–202). —*A. constanti*, natural history, CHRÉTIEN (262) Naturaliste 1906.—*A. ypsilon*, Rott. Egypt, WILLCOCKS Cairo Yrbk. Khed. Agric. Soc. **1905** (93–103) pl. iv.

(*Agrotis* (*Episilia*) *faceta:* Entwickelungsgeschichte. PÜNGELER, Rudolf. Naturalista sicil. Palermo **17** N. 4 1904 (65–67).)

Alibama kebea New Guinea, BETHUNE-BAKER (221) Nov. Zool. Tring **13, sp. n.**

Amathes phacosoma Punjab (488) pl. cvii f. 5, **sp. n.**; *vitzenmanni* (471) f. 32, *rupicapra* (473) pl. cvi f. 31, *scabra* (476) pl. cvi f. 32, *verberata* (480) pl. cvii f. 1, *bicolorago* (481) f. 2, *gratiosa* (484) f. 3, *deleta* (486) f. 4, *purpurea* (489) f. 6, *puta* f. 7, *ralla* f. 8, (490), *inops* f. 9, *decipiens* f. 10, (491), HAMPSON Cat. Lep. phal. **6.**

Amephana **gen. n.** type *Cleophana anavihini* Dup., HAMPSON (107) T.c.

Ammetopa **gen. n.** type *Metopoceras* Oberth., HAMPSON (120) T.c.

Ammoconia caecimacula, melanismus, WISKOTT pl. x f. 14 (331) D. ent. Zs. Iris **18.**

Amphigonia brunnea **sp. n.** Venezuela, SCHAUS (112) Washington U. S. Nation. Mus. Proc. **30.**

Amphipyra bicolora New Guinea, BETHUNE-BAKER (191) Nov. Zool. Tring **13, sp. n.**

Amyna poliastis **sp. n.** Punjab, HAMPSON (470) Bombay J. Nat. Hist. Soc. **17.**

Anartomorpha diodonta **sp. n.** Lob-Noor, PÜNGELER D. ent. Zs. Iris **19** (80).—*A. flavescens* Tibet, HAMPSON (486) pl. xxxvi f. 3 London Proc. Zool. Soc. 1906, **sp. n.**

Ancaroides kebea (196), *griscola* (197), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Andesia **gen. n.** *Cucullianae, oenistis* **sp. n.** Argentina, HAMPSON (142) Cat. Lep. phal. **6.**

Antitype calamistis **sp. n.** Kashmir (365) pl. civ f. 28; *rebecca* (358) f. 24, *manisadjiani* (361) f. 25, *subvenusta* f. 26, *miltina* f. 27, (364), *apora* (366) f. 29, *illecebrosa* (368) f. 30, *hostilis* (370) f. 31, *jonis* (371) f. 32; HAMPSON T.c.—*Antitype* (*Polia*) *hostilis* Aschabad (92), *illecebrosa* Kuku-Noor (93), *subvenusta* Jerusalem, (94), **spp. n.**, PÜNGELER D. ent. Zs. Iris **19** (92–94).

Apatela funeralis, larva, DYAR Ent. News **17** (69).

Aplecta nebulosa var. *thompsoni*, ARKLE (115) Entomologist 1906; variation in Britain, SOUTH (75, 76) pl. v Entomologist 1906.

Aplectoides (*Agrotis*) *propitia* **sp. n.** Kuku-Noor, PÜNGELER D. ent. Zs. Iris **19** (89).

Aporophyla australis var. n. *albidior*, BANG-HAAS (134) D. ent. Zs. Iris **19.**

Argyrogalea **gen. n.** for *Noctua argentea* Hüfn., HAMPSON (81) Cat. Lep. phal. **6.**

Argyromata **gen. n.** for *Phalaena splendida* Cr., HAMPSON (82) T.c.

Aristaria orizabalis (124), *picatalis* Mexico, *trinitalis* Trinidad, *conspicua* Brazil, (125), *bocantis* Mexico, *ricalis* Costa Rica, *aztecalis*, (126), *stolalis* (127), Mexico, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Aroana **gen. n.** *Focillinae* (280), *olivacea, rubra*, **spp. n.**, New Guinea, (281), BETHUNE-BAKER Nov. Zool. Tring **13.**

Atethmia pampina (493) pl. cvii f. 11, HAMPSON Cat. Lep. phal. **6.**

Athaumasta **gen. n.** type *Eumichtis expressa* Led., HAMPSON (380) T.c.

Austramathes **gen. n.** for *Graphiphora purpurea* Butl., HAMPSON (492) T.c.

Axiocteta rufa, turneri, babooni, obliqua, (278), *concolora, flava*, (279), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Bagada dinawa (208), *fuscostrigata, incertissima, nigrostrigata*, (209), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Baniana costiplaga New Guinea, BETHUNE-BAKER T.c. (264), **sp. n.**

Barasa griseola (221), *pura*, *nigrescens*, (222), New Guinea, BETHUNE-BAKER T.c., **spp. n.**

Barathra curialis life - history, FLETCHER and GIBSON (381–384) pl. iv Canad. Entomol. **38.**

Batyma **gen. n.**, *onesalis*, *francalis*, Brazil, **spp. n.**, SCHAUS (130) Washington U.S. Nation. Mus. Proc. **30.**

Bendis mascara (114), *thara* (115), Brazil, **spp. n.**, SCHAUS T.c.

Berresa rufa, *meeki*, New Guinea, BETHUNE-BAKER (199) Nov. Zool. Tring **13, spp. n.**

Bertula invenusta ♀ ; *B. similalis* Sumatra, SWINHOE Ann. Mag. Nat. Hist. **17** (551), **sp. n.**

Blenina nigrans (222) with ab. *varians* (223), *viridata*, *babooni*, *smaragdina*, (223), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Blepharidia costalis (396) pl. cv f. 15, *paspa* (397) f. 16, *dianthoecina* (398) f. 17, *conspicua* (399) f. 18, HAMPSON Cat. Lep. phal. **6.**

Bleptina delosticha Sumatra, SWINHOE (552) Ann. Mag. Nat. Hist. **17, sp. n.**

Bleptina candalis (121), *clara*, Brazil, *margotalis* hab.? (122), **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Bombycia curvifascia (217) pl. ci f. 28, HAMPSON Cat. Lep. Phal. **6.**

Bomolocha lutalba **sp. n.** N. America, SMITH (29) New York J. Ent. Soc. **14.**

Borbotana kebeae, *ekeikei*, (207), *dinawa* (208), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Borsippa punctilinea Hamps. to *Aramuna*; *B. macoma* Khasia hills, (410), *calthula* Borneo (411), **spp. n.**; SWINHOE Ann. Mag. Nat. Hist. **18.**

Bracharthron melanostrotum, Queensland, TURNER (124) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Brachionycha borealis (204) pl. ci f. 17, HAMPSON Cat. Lep. phal. **6.**

Brachycosmia **gen. n.** for *Anchocelis digitata* Gr., HAMPSON (496) T.c.

Brachygalea **gen. n.** *Cucullianae*, *leucorhabda* **sp. n.** Algeria, HAMPSON (8) T.c.

Brachylomia **gen. n.** type *Cleoceris populi* (220), *rectifascia* (221) pl. ci f. 29; HAMPSON T.c.

Bryomima fallax California (388) pl. cv f. 8, *muscosa* Washington Terr. (392) f. 13, **spp. n.**; *johanna* (387) f. 7, *extreta* (389) f, 9, *tenuicornis* f. 10, *chamaeleon* f. 11, (390), *virescens* (391) f. 12, *pulverulenta* (392) f. 14, *chryselectra* (394) pl. cviii f. 4; HAMPSON T.c.

Bryophila muralis, *raptricula* Zucht GAUCKLER Insektenbörse Leipzig **23** (127–128).—*B. avirida* **sp. n.** Colorado, SMITH (10) New York J. Ent. Soc. **14.**

Bryotype **gen. n.** type *Euplexa mesomelana* Hamps., HAMPSON (382) Cat. Lep. phal. **6.**

Buzara calodesma R. & J. pl. iii f. 4, JORDAN (761) Nov. Zool. Tring **13.**

Caffristis **gen. n.** type *Heliophobus ferrogrisea* Hamps., HAMPSON (227) Cat. Lep. phal. **6.**

Callingura kebeae New Guinea, BETHUNE-BAKER (227) Nov. Zool. Tring **13, sp. n.**

Callyna biplagiata (217), *fuscantaria* (218), New Guinea, BETHUNE-BAKER Nov. Zool. **13, spp. n.**

Calophasia craussi (127) pl. xcix f. 10, *hamifera* (128) f. 11, HAMPSON Cat. Lep. phal. **6.**—*C. albolineata* Bl. (24) pl. ii f. 3, BLACHIER Paris Ann. Soc. ent. **75.**

(*Calophasia albolineata* BLACHIER, Paris Bul. Soc. ent. **1905**, sp. n.—*C. adamantina* BLACHIER, T.c. sp. n.)

Calymnia trapezina ab. *badiofasciata* Teich, SLEVOGT Insektenbörse **23** (36).

Campometra protea (234), *paresa* (236), Arizona, SMITH Canad. Entomol. **38, spp. n.**

Canthylidia cf. *Melicleptria.*

Capnodes brunnea Sumatra, SWINHOE (550) Ann. Mag. Nat. Hist. **17, sp. n.**—*C. costiplaga*, *minuta*, New Guinea, BETHUNE-BAKER (284) Nov. Zool. Tring **13, spp. n.**—*C. virginea* **sp. n.** Brazil, SCHAUS (114) Washington U. S. Nation. Mus. Proc. **30.**

Capotena albicosta, *subflava*, (240), *albotessellata* (241), New Guinea, BETHUNE-BAKER Nov. Zool. **13, spp. n.**

Caradrina hispanica la Granja, MABILLE (31) pl. iii f. 1 Paris Ann. Soc. ent. **75, sp. n.**—*C. subpartita, unipunctata, funerea, insignifica,* (201), *gemini, crenulata, pratti,* (202), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**—*C. exigua,* natural history; MAXWELL-LEFROY Agric. res. Inst. Pusa **1** (338–350) pl. xxiii; and Agric. J. India **1** pt. 4, pl. xxiii; in Egypt, WILLCOCKS Cairo, Yrbk. Khed. Agric. Soc. **1905** (104–115) pl. iv.

Carbona **gen. n.**, *obscura* **sp. n.** Brazil, SCHAUS (102) Washington U. S. Nation. Mus. Proc. **30.**

Carea parallelaria, unipunctata, flava, (242), *pratti* (243), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Careades **gen. n.** near *Carea, sanguinea,* (243), *ekeikei, falcataria, fulva,* (244), *obliqua, subrubra, rubricosa,* (245), **spp. n.**, New Guinea, BETHUNE-BAKER T.c.

Caroga **gen. n.**, *costalis* **sp. n.** Brazil, SCHAUS (110) Washington U. S. Nation. Mus. Proc. **30.**

Casandria chirica **sp. n.** Mexico, SCHAUS (108) T.c.

Catada obscura Ile Maurice, JOANNIS (175) pl. ix f. 7 Paris Ann. Soc. ent. **75, sp. n.**—*C. acrospila* Queensland, TURNER (123) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**—*C. acholi* Uganda, BETHUNE-BAKER (344) Ann. Mag. Nat. Hist. **18, sp. n.**—*C. rufostrigata,* (251), *alboplagiata, mediogriseata, dinawa,* (252), *pulchristrigata, splendens, hampsonia,* (253), New Guinea, BETHUNE-BAKER, Nov. Zool. Tring **13, spp. n.**—*C. alchemista* ab. *varia* Chr. pl. x f. 13, (331), D. ent. Zs. Iris **18.**

Catocala dinawa New Guinea, BETHUNE-BAKER (246) Nov. Zool. Tring **13, sp. n.**—*C. fraxini* ab. *contigua* n. & *angustata* n., *electa* ab. *excellens* n., *nupta* ab. *mutilata* n., *elocata* ab. *lais* n. & ab. *flavicans* n., *sponsa* ab. *desponsa* n., *promissa* ab. *obsoleta* n., *puerpera* ab. *genetrix* n., *nymphagoga* ab. *curvifasciata* n. & ab. *nubilosa* n., *hymenaea* ab. *connexa* n., *diversa* ab. *umbrata* n., SCHULTZ Ent. Zs. Guben **20** (86–87, 94–95, 100–101).—*C. dilecta, electa, elocata, nupta,* abb.; A. AIGNER Ann. Hist.-Nat. Hung. **7** (522–523).—*Catocala* spp., habits, ROWLEY Ent. News **17** (231–234).—Zucht, BOHATSCHEK Ent. Zs. Guben **19** (216–217).—Colour protection, KUSNEZOV Biol. Centralbl. **26** (116–124).

Celaena matura ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (521).

Cerma marina Arizona, SMITH (226) Canad. Entomol. **38, sp. n.**

Ceromacra babooni, ekeikei (284), *dinawa, purpurea, aroa,* (285), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Chamina choria **sp. n.** Brazil, SCHAUS (115) Washington U. S. Nation. Mus. Proc. **30.**

Charadra ingenua **sp. n.** Colorado, SMITH (10) New York J. Ent. Soc. **14.**

Cheligalea **gen. n.** type *Cucullia scopariae,* HAMPSON (13) Cat. Lep. phal. **6.**

Chloridea nanna Tibet, HAMPSON (487) pl. xxxvi f. 1 London Proc. Zool. Soc. 1906, **sp. n.**—*C. obsoleta* larva, PIEPERS (30) 's Gravenhage Tijdschr. Ent. **49.**

Cirphis (*Leucania*) *propensa* **sp. n.** Ili-Gebiet, PÜNGELER D. ent. Zs. Iris **19** (91).—*C. loreyi* larva (38), *hamifera* larva (39), *yu* larva (41), PIEPERS 's Gravenhage Tijdschr. Ent. **49.**

Cirrhoedia xerampelina, in Lothringen, DIETZE Ent. Zs. Guben **20** (221).

Cleophana gafsana Bl. (24) pl. ii f. 2, BLACHIER Paris Ann. Soc. ent. **75.**—*C. pectinicornis* (99) pl. xcix f. 2, *opposita* (101) f. 3, *diffluens* (102) f. 4, *marocana* (104) f. 5, HAMPSON Cat. Lep. phal. **6.**

(*Cleophana gafsana,* BLACHIER, Paris Bul. soc. ent. **1905,** sp. n.)

Cletthara multilinea New Guinea, BETHUNE-BAKER (224) Nov. Zool. Tring **13, sp. n.**

Coenipeta glaucoides Amazons (116), *laurena* Guiana, *medalba* Brazil, (117), *umbrata musa,* (119), *subocellata, subvaria,* (119), Guiana, *albidentina* Brazil, (120), **spp. n.**, SCHAUS Washington D.C., U. S. Nation. Mus. Proc. **30.**

Conistra eriophora (445) pl. cvii f. 31, *acutula* (451) pl. cvi f. 15, *politina* (452) f. 16, *ardescens* (455) f. 17, *albipuncta* (456) pl. cvii f. 30, *inulta* (460) pl. cvi f. 18, *viatica* (461) f. 19, *signata* f. 20, *tristigmata* f. 21, (462), *valceri* (463) f. 22, *sidus* f. 23, *colorado* f. 24, (464),

morrisoni f. 25, *devia* f. 26, (465), *indirecta* f. 27, *moffatiana* f. 28, (466), *pettiti* (467) f. 29, *ceromatica* (468) f. 30, HAMPSON Cat. Lep. phal. **6.**

Conservula cinisigma Ile Maurice, JOANNIS (170) pl. ix f. 2 Paris Ann. Soc. ent. **75, sp. n.**

Contortivena **gen. n.** *Focillinae, umbrosa* **sp. n.** New Guinea, BETHUNE-BAKER (283) Nov. Zool. Tring **13.**

Cophanta chrysarginea **sp. n.** Brazil, SCHAUS (105) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Copicucullia antipoda (9) pl. xcvi f. 16, *astigma* (11) f. 17, *syrtana* f. 18, *naruensis* f. 19, (12), *sublutea* f. 20 (13); HAMPSON Cat. Lep. Phal. **6.**

Copipanolis borealis pl. ci f. 24, *fasciata* f. 25, (214), HAMPSON, T.c.

Copiphana **gen. n.** type *Cleophana olivana* H.-S., *gassana* **sp. n.** Tunis, *C. oliva* St. pl. xcix f. 1, HAMPSON (95) T.c.

Copitarsia **gen. n.** type *Polia turbata* H.-S. (183), *patagonica* **sp. n.** Andes (185) pl. c f. 30; *humilis* f. 27, *consueta* f. 28, (183), *naeniodes* (185) f 29, *purilinea* (186) f. 31; HAMPSON T.c.

Copitype **gen. n.** for *Dasypolia pagodae* Alph., HAMPSON (206) T.c.

Corgatha argillacea Ile Maurice, JOANNIS (173) pl. ix f. 5 Paris Ann. Soc. ent. **75, sp. n.**—*C. bipunctata, pulchra,* (213), *albolineata, mediopallens, nigropunctata,* (214), New Guinea, BETHUNE-BAKER Nov. Zool. Tring. **13, spp. n.**

Corubia **gen. n.**, *testacea* **sp. n.** Brazil, SCHAUS (109) Washington U. S. Nation. Mus. Proc. **30.**

Coscaga **gen. n.**, *angulata* **sp. n.** Mexico, SCHAUS (131) T.c.

Cosmia siphunculata Mongolia (499) pl. cvii f. 12, *cypreago* Cyprus (506) f. 14, *distigmata* (509) f. 19, *approximata* (511) f. 22, India, *andesica* Argentina (517) pl. cviii f. 8, **spp. n.**; *C. tunicata* (503) pl. cvii f. 13, *vulpecula* f. 15, *rectilineata* f. 16, (507), *ledereri* (508) f. 17, *melonina* (509) f. 18, *albosignata* (510) f. 20, *pulchella* (511) f. 21, *edentata* f. 23, *divergens* f. 24, (512); HAMPSON Cat. Lep. phal. **6.**—*C. bisignata* **sp. n.** Madras, HAMPSON (476) Bombay J. Nat. Hist. Soc. **17.**—*C. inconspicua* New Guinea, BETHUNE-BAKER (210) Nov. Zool. Tring **13, sp. n.**

Cosmophila ochreifusa Sumatra, SWINHOE (408) Ann. Mag. Nat. Hist. **18, sp. n.**—*C. kebeensis, aroa, angulata,* (236), *subpurpurea, ekeikei, mafalin,* (237), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Crenularia **gen. n.** *Focillinae, concolor* **sp. n.** New Guinea, BETHUNE-BAKER (282) T.c.

Crioa lophosoma Brisbane, TURNER (121) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Criophasia **gen. n.** *Cucullianae, albolineata* **sp. n.** Tunis, HAMPSON (122) Cat. Lep. phal. **6.**

Cteipolia acrophila Kashmir, HAMPSON (421) T.c., **sp. n.**

Cucullia strigata (15) pl. xcvi f. 21, *brucei* (16) f. 22, *solidaginis* (17) f. 23, *albida* (18) f. 24, *albipennis* (26) f. 25, *brunnea* (30) f. 27, *graeseri* (31) f. 28, *generosa* (34) f. 29, *embolina* (35) f. 30, *duplicata* (36) f. 31, *hemidiaphana* (39) f. 32, *nigrifascia* pl. xcvii f. 1, *retecta* (40) f. 2, *clausa* (42) pl. xcvii f. 3, *extricata* (46) f. 6, *distinguenda* (47) f. 7, *terrensis* (48) pl. xcviii f. 21, *dentilinea* (49) pl. xcvii f. 8, *dorsalis* (51) f. 9, *speyeri* (51) f. 10, *laetifica* (52) f. 13, *buddha* (53) f. 14, *minuta,* (55) f. 15, *pullata* (56) pl. xcvii f. 11, *tecca* (57) f. 16, *intermedia* (60), *cinderella* f. 18, *grisescens* f. 12, (61), *montana* f. 19, *florea* f. 20, (63), *brevipennis* (66) f. 21, *lilacina* (67) pl. xcviii f. 1, *bistriga* pl. xcvii f. 20, *asteroides* pl. xcviii f. 2, (68), *postera* (69) f. 3, *obscurior* (70) f. 4, *similaris* f. 5, *arizona* f. 6, (71), *perstrigata* **nom. n.** for *strigata* Schaus f. 7, *convexipennis* f. 8, (72), *stigmatophora* (73) f. 9, *scrophulariphila* (75) f. 10, *anceps* (77) pl. xcviii f. 11, *oribac* pl. cviii f. 1, *agua* f. 2, (516) *leucopis* Cape, colony (28) pl. xcvi f. 26, *rufescens* pl. xcvii f. 4, *perstriata* f. 5, (42), E. Africa, **spp. n.**; HAMPSON Cat. Lep. phal. **6.**—*C. embolima* Kuku-Noor, *C. tecca* Aschabad, PÜNGELER D. ent. Zs. Iris **19** (96), **spp. n.**

Cyathissa quadrata, ochracea, Arizona, SMITH (225) Canad. Entomol. **38, spp. n.**

Cyclodes pulchra New Guinea, BETHUNE-BAKER (254) Nov. Zool. Tring **13, sp. n.**

Daseuplexia **gen. n.** type *Luperina lagenifera* Moore, HAMPSON (303) Cat. Lep. phal. **6.**

Dasypolia mitis **sp. n.** hab.?, PÜNGELER D. ent. Zs. Iris **19** (95).—*D. ferdinándi* (424) pl. cvi f. 3, HAMPSON Cat. Lep. phal. **6.**

Dasysternum eristicum **sp. n.** Turkestan, PÜNGELER D. ent. Zs. Iris 19 (94). —*D. juditha* pl. cv f. 28, *bacheri* f. 29, (408), *haeretica* (409) f. 30, *eristica* (410) f. 31, HAMPSON Cat. Lep. phal. **6.**

Dasythorax poliana (426) pl. cvi f. 4, *anartina* f. 5, *hirsutula* f. 6, (427), *hirsuta* f. 7, *rasilis* f. 8, (428), HAMPSON T.c.

Dendrothripa venalis New Guinea, BETHUNE-BAKER (226) Nov. Zool. Tring **13, sp. n.**

Derthisa amasina Asia minor **sp. n.** (232) pl. cii f. 2; *sareptana* (229) f. 1; HAMPSON Cat. Lep. phal. **6.**

Deva multicolora New Guinea, BETHUNE-BAKER (271) Nov. Zool. Tring **13, sp. n.**

Dierna lilacea New Guinea, BETHUNE-BAKER (286) T.c., **sp. n.**

Diamuna haenschi **sp. n.** Ecuador, (275), DOHRN Stettiner ent. Ztg. **67** (275–276).

Dichonia obliquisigna (294) pl. ciii f. 17, HAMPSON Cat. Lep. phal. **6.**

Dinumma hades, mediobrunnea, New Guinea, BETHUNE-BAKER (217) Nov. Zool. **13, spp. n.**

Dipterygia kebeae, babooni, New Guinea, BETHUNE-BAKER (197) T.c., **spp. n.**

Diphthera imray **sp. n.** Travancore, HAMPSON (471) Bombay J. Nat. Hist. Soc. **17.**—*D. kebeae* New Guinea, BETHUNE-BAKER (203) Nov. Zool. Tring **13, sp. n.**

Diptheroides **gen. n.** *Acontiinae, kenricki* (203), *serrata* (204), **spp. n.**, New Guinea, BETHUNE-BAKER T.c.

Discestra (*Mamestra*) *vaciva* **sp. n.** Ili-Gebiet, PÜNGELER D. ent. Zs. Iris **19** (90).

Dissolophus ochraceus New Guinea, BETHUNE-BAKER (200) Nov. Zool. Tring **13, sp. n.**

Disticta hampsoni, tornopunctata, (277), *kebea* (278), New Guinea; BETHUNE-BAKER T.c., **spp. n.**

Doryodes elongata **sp. n.** Brazil, SCHAUS (109) Washington U. S. Nation. Mus. Proc. **30.**

Dryotype **gen. n.** type *Dryobota spina* Gr., HAMPSON (228) Cat. Lep. phal. **6.**

Earias uniplaga, rufopunctata, novoguineana, New Guinea, BETHUNE-BAKER (219) Nov. Zool. Tring **13, spp. n.**—*E. insulana* Egypt, WILLCOCKS Cairo Yrbk. Khed. Agric. Soc. **1905** (57–91), pls. ii & iii.

Eccleta; definition amended, TURNER (120) Adelaide S. Austr. Trans. R. Soc. **30.**

Egnasia mesotypa Khasia hills, SWINHOE Ann. Mag. Nat. Hist. **17, sp. n.**—*E. delicata, chloroplaga,* (279), *dinawa* (280), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Elusa dinawa, incertans, pratti, New Guinea, BETHUNE-BAKER (200) T.c., **spp. n.**

Empusada **nom. n.** for *Empusa* Hübn. (85); *argentivitta* Basutoland (87) pl. xcviii f. 14, *pyrostrota* Transvaal f. 15, *ruficeps* Madagascar f. 16, (88), **spp. n.**; *argyrina* (86) f. 12, *hutchinsoni* (87) f. 13, *chrysota* f. 17, *pallidistria* f. 18, (88), *sabulosa* (90) f. 19; HAMPSON Cat. Lep. phal. **6.**

Epa **gen. n.** (192), *pratti* **sp. n.** New Guinea, (193), BETHUNE-BAKER Nov. Zool. Tring **13.**

Epidemas melanographa Canada **sp. n.** (215) pl. ci f. 26; *obscura* 216) f. 27; HAMPSON Cat. Lep. phal. **6.**

Epiglaea apiata pl. cvi f. 11, *contracta* f. 12, (433), HAMPSON T.c.

Episema glaucina var. *dentimaculata,* et. ab. *tersina,* abb., A. AIGNER Ann. Hist.-Nat. Hung. **4** (520–521).

Episilia (*Agrotis*) *pancta* Alexandergebirge (86), *leaena* (87), *thapsina,* Fergana, *psammia* Aschabad, (88), **spp. n.**, PÜNGELER D. ent. Zs. Iris **19.**—*E. astigmata* Tibet, HAMPSON (489) pl. xxxvi figs. 4 and 5 London Proc. Zool. Soc. 1906, **sp. n.**

Episparis angulatilinea New Guinea, BETHUNE-BAKER (268) Nov. Zool. Tring **13, sp. n.**

Epizeuxis (*Helia*) *calvaria* Zucht, OERTEL Ent. Zs. Guben **20** (89); Weiteres dazu, Richard **Gilardon,** T.c. (101).

Erastria ferrimacula **sp. n.** Khásis, HAMPSON (472) Bombay J. Nat. Hist. Soc. **17.**

Ercheia certa, ekeikei, styx, (248), *kebea* (249), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Eriopyga griseirena **sp. n.** hab.?, SCHAUS (96) Washington U. S. Nation. Mus. Proc. **30.**

(*Eriopyga brachia* Brazil, JOANNIS, Paris Bul. soc. ent. **1904,** sp. n.)

Erygansa **gen. n.** *Quadrifinae, kebea, avola,* (246), *kebeensis* (247), **spp. n.,** New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13.**

Eublemmoides **gen. n.,** *dinawa* **sp. n.** New Guinea, BETHUNE-BAKER (212) T.c.

Euclidia munita, BARTEL Ent. Zs. Guben **20** (116–117).

Eudipna templada **sp. n.** Mexico, SCHAUS (97) Washington U. S. Nation. Mus. Proc. **30.**

Euglyphia proserpina Peru, DRUCE (94) Ann. Mag. Nat. Hist. **18, sp. n.**

Eugorna alboarcuata New Guinea, BETHUNE-BAKER (269) Nov. Zool. Tring **13, sp. n.**

Eumichtis tenerifica Canary islds. (326) pl. cviii f. 5, *melanodonta* Japan (327) pl. civ f. 6, *mesophaea* Victoria (343) f. 15, *rubrimixta* Africa (347) f. 18, **spp. n.**; *muscosa* (322) f. 5, *adjuncta* (328) f. 7, *sepultrix* (333) f. 8, *venusta* (334) f. 9, *ducta* (335) f. 10, *versuta* (336) f. 11, *contermina* (340) f. 12, *intermissa* (341) f. 13, *saliaris* (342) f. 14, *extima* (343) f. 16, *maida* (344) f. 17, *lama* pl. cviii f. 6, *concina* f. 7, (516); HAMPSON Cat. Lep. phal. **6.**

Eupanychis camina **sp. n.** New Hampshire, SMITH (28) New York J. Ent. Soc. **14.**

Euplexia leprosticta Ceylon, *riveifera* Simla, HAMPSON (469) Bombay J. Nat. Hist. Soc. **17, spp. n.**—*E. viridacea, smaragdina, dinawa,* New Guinea, BETHUNE-BAKER (195) Nov. Zool. Tring **13, spp. n.**—*E. adamantina* Melbourne, TURNER (120) Adelaide, S. Aust. Trans. R. Soc. **30, sp. n.**

Eupsilia tripunctata (436) pl. cvii f. 27, *quadrilinea* f. 28, *strigifera* pl. cvi f. 13, (438), HAMPSON Cat. Lep. phal. **6.**

Eurois dinawa New Guinea, BETHUNE-BAKER (196) Nov. Zool. Tring **13, sp. n.**

Eurotype **gen. n.** type *Pachypolia acutissima* Gr. (289), *medialis* (290) pl. ciii f. 15, *confragosa* (291) f. 16, HAMPSON Cat. Lep. phal. **6.**

Eustrotia geoga **sp. n.** Mexico, SCHAUS (103) Washington U. S. Nation. Mus. Proc. **30.**

Eutelia hampsoni, mediofusca, oliva-ceiplaga, (228), *dinawa, kebeae, albi-comma,* (229), *purpureonigra, viridata, deletoides,* (230), *ochreiplaga* (231), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Eutolype bombyciformis (210) pl. ci f. 20, *depilis* f. 21, *grandis* f. 22, (211), *damalis* (212) f. 33, HAMPSON Cat. Lep. phal. **6.**

Euxoa (*Agrotis*) *clauda* **nom. n.** für *subdecora* Hamps. nec Stgr., *moechilla* Turkestan, (81), *cucuna* Kuku-Noor, *seditiosa* Fergana, (82), *privigna* Turkestan (83), *enixa* Fergana (84), **spp. n.,** PÜNGELER D. ent. Zs. Iris **19** (81–84).—*E. claromonta* **sp. n.** California, SMITH (11) New York J. Ent. Soc. **14.**—*E. esta* British Columbia, SMITH (227) Canad. Entomol. **38, sp. n.**—*E. interjectionis* larva, PIEPERS (32) 's Gravenhage Tijdschr. Ent. **49.**

Exyra dinawa New Guinea, BETHUNE-BAKER (226) Nov. Zool. Tring **13, sp. n.**

Feralia columbiana (197) pl. ci f. 13, *major* (199) f. 14, HAMPSON Cat. Lep. phal. **6.**

Focillodes **gen. n.** *Focillinae* (281), *dinawa, brunnea, griseata,* (282), *fulva, medionigra,* (283), **spp. n.,** New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13.**

Fodina kebea New Guinea, BETHUNE-BAKER (266) T.c., **sp. n.**

Gadirtha costipallens, inconspicua, New Guinea, BETHUNE-BAKER (220) Nov. Zool. Tring **13, spp. n.**

Galgula partita Gn. = (*G. hepara* Gn. = *Prothymnia baueri* Stgr.), WISKOTT D. ent. Zs. Iris, Berlin, **18** (328–331) 1 Taf.

Gonodonta marmorata **sp. n.** Mexico, SCHAUS, (111) Washington U. S. Nation. Mus. Proc. **30.**

Gonopteronia **gen. n.** near *Pseudo-gonitis, albopunctata, fulminans,* **spp. n.**

New Guinea, BETHUNE-BAKER (239) Nov. Zool. Tring **13.**

Grammoscelis **gen. n.**, *leuconeura* **sp. n.** Cape Colony, HAMPSON (468) Cat. Lep. phal. **6.**

Graptolitha semiusta (249) pl. cii f. 4, *bethunei* f. 5, *patefacta* f. 6 (250), *innominata* (251) f. 7, *rosinae* f. 8, *hemina* f. 9 (252), *disposita* (253) f. 10, *oriunda* f. 11, *ferrealis* f. 12, (254), *petulca* (255) f. 13, *signosa* f. 14, *amanda* f. 15, (256), *lepida* (260) f. 16, *pexata* (263) f. 17, *dilatocula* f. 18, *cinerosa* f. 19, (264), *laticinerea* (265) f. 20, *antennata* f. 21, *torrida* f. 22, (266), *atincta* (267) f. 23, *tepida* f. 24, *baileyi* f. 25, (268), *querquera* (269) f. 26, *viridipallens* (270) f. 27, *longior* (271) f. 28, *contenta* f. 29, *puella* f. 30, (272), *merceda* f. 31, *unimoda* f. 32, (273), *vertina* pl. ciii f. 1, *ancilla* f. 2, (274), *holocinerea* (275) f. 3, *fletcheri* f. 4, *georgi* f. 5, (276), *emarginata* f. 6, *oregonensis* f. 7, (277), *itata* (278) f. 8, *fagina* (279) f. 9, HAMPSON T.c.

Gyrtona acuda Sumatra, SWINHOE (549) Ann. Mag. Nat. Hist. **17, sp. n.**

Hadena ribbei **sp. n.** Spanien, PÜNGELER D. ent. Zs. Iris **19** (77–78) pl. v f. 3.—*H. whitei* Tenerife, REBEL (28) Wien Ann. Nat. Hist. Hofmus. **21, sp. n** —*H. bultata* Colorado, SMITH (228) Canad. Entomol. **38, sp. n.**—*H. jonea* **sp. n.** Brazil, SCHAUS (101) Washington U. S. Nation. Mus. Proc. **30.**

Harpaglaea **gen. n.** type *Glaea pastillicans* Morr. (429); *sericea* pl. cvi f. 9, *tremula* f. 10, (430); HAMPSON Cat. Lep. phal. **6.**

Harpagophana **gen. n.** type *Metopocera hilaris* St., HAMPSON (115) T.c.

Harrisimemna trisignata pupation, PEARSALL Ent. News **17** (21–23).

Heliophobus hispidus grumi, Genitalarmatur und Systematisches, PETERSEN St. Peterburg Hor. Soc. Ent. Russ. **37** (347–351).—*H. lohi*, NOEL Naturaliste Paris **28** 1906 (227).—*H. populi* ravages in the Doubs, NOEL (227) Naturaliste 1906.

Heliothis peltigera life-history, SICH (283–288) Ent. Rec. 1906; pupa, BACOT (300) Ent. Rec. 1906.—*H. nivicosta* **sp. n.** California, SMITH (15) New York J. Ent. Soc. **14.**

Herminia tentaculuris ab. n. *meixneri*, WAGNER (228) Wien Verh. zool.-bot. Ges. 1906.

Hillia discinigra (224) pl. ci f. 32, HAMPSON Cat. Lep. phal. **6.**

Himella flosca Arizona, SMITH (231) Canad. Entomol. **38, sp. n.**

Hirsutipes **gen. n.** for *Hypaetra trifasciata* Swinh., BETHUNE-BAKER (263) Nov. Zool. Tring **13.**

Homodes punctistriga New Guinea, BETHUNE-BAKER (218) T.c., **sp. n.**

Homoglaea carbonaria (514) pl. cvii f. 25, *californica* (515) f. 26, HAMPSON Cat. Lep. phal. **6.**

Homohadena fifia pl. ci f. 1, *retroversa* f. 2, (188), *infixa* f. 3, *induta* f. 4, (189), *loculosa* (190) f. 5, *coelei* (191) f. 6, *incomitata* f. 7, *stabilis* f. 8, (192), HAMPSON T.c.

Homoncocnemis **gen. n.** for *Homohadena fortis* Grote, HAMPSON (180) T.c.

Homopyralis edilis Arizona, SMITH (237) Canad. Entomol. **38, sp. n.**—*H. picta* Mexico, *pandama* Venezuela, **spp. n.**, SCHAUS (111) Washington U. S. Nation. Mus. Proc. **30.**

Hyela fervens **sp. n.** Canara, HAMPSON (474) Bombay J. Nat. Hist. Soc. **17.**

Hylophila rubromarginata New Guinea, BETHUNE-BAKER (219) Nov. zool. Tring **13, sp. n.**

Hypena epigaea Sumatra, SWINHOE (552) Ann. Mag. Nat. Hist. **17, sp. n.**—*H. oronalis* **sp. n.** Bolivia, SCHAUS (133) Washington U. S. Nation. Mus. Proc. **30.**

Hyponeuma **gen. n.** (132), *leucanioides* **sp. n.** Brazil (133), SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Hypnotype **gen. n.** for *Diphthera placens* Walk., HAMPSON (411) Cat. Lep. phal. **6.**

Hypocala kebeae, pratti, New Guinea, BETHUNE-BAKER (249) Nov. Zool. Tring **13, spp. n.**

Hypothripa distincta New Guinea, BETHUNE-BAKER (224) T.c., **sp. n.**

Hypaetra pratti, novoguineana, subpunctata, New Guinea, BETHUNE-BAKER (262) T.c., **spp. n.**—*H. trifasciata* Swinh. cf. *Hirsutipes.*

Hypotype **gen. n.** type *Polia scotomista* Hamps. (384); *nigridentata* (385) pl. cv f. 6; HAMPSON Cat. Lep. phal. **6.**

Hypsophila tamerlana (418) pl. cvi f. 1, *grumi* (420) f. 2, HAMPSON T.c.

Ilattia aroa New Guinea, BETHUNE-BAKER (199) Nov. Zool. Tring **13, sp. n.**

Ilsea **gen. n.** *bormia* **sp. n.** Brazi SCHAUS (131) Washington U. S. Nation. Mus. Proc. **30.**

Ingura pratti, costistrigata, New Guinea, BETHUNE-BAKER (226) Nov. Zool. Tring **13, spp. n.**—*I. sabulosa* **sp. n.** Brazil, SCHAUS (98) Washington U. S. Nation. Mus. Proc. **30.**

Iscadia nigra Argentina (103), *duckinfieldia, stroca,* Brazil, (104), **spp. n.,** SCHAUS T.c.

Ischyja kebeae, New Guinea, BETHUNE-BAKER (266) Nov. Zool. Tring **13, sp. n.**

Isochlora metaphaea Sikhim, HAMPSON (488) pl. xxxvi f. 2 London Proc. Zool. Soc. 1906, **sp. n.**

Isoura pratti New Guinea, BETHUNE-BAKER (261) Nov. Zool. Tring **13, sp. n.**

Kohleria **gen. n.,** *nebula,* (99), *bruma* (100), **spp. n.** Brazil, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Labanda viridescens (220), *crenulata* (221), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Lagoptera pratti New Guinea, BETHUNE-BAKER (260) T c., **sp. n.**

Lamprosticta niphopasta Syria **sp. n.** (313) pl. ciii f. 23; *L. munda* (316) f. 24; HAMPSON Cat. Lep. phal. **6.**

Laphygma exigua, ovum, SICH (267) Entomologist 1906.

Lasiestra (Mamestra) meraca **sp. n.** Turkestan, PÜNGELER D. ent. Zs. Iris **19** (90).

Lasiopoderes **gen. n.** near *Hypaetra, pratti* **sp. n.** New Guinea, BETHUNE-BAKER (263) Nov. Zool. Tring **13.**

Lasiosceles **gen. n.** *Acontiinae* (204), *pratti* **sp. n.** New Guinea (205), BETHUNE-BAKER T.c.

Leptina levitans **sp. n.** Ontario, SMITH (9) New York J. Ent. Soc. **14.**

Leucania obsoleta Dunedin, HOWES (511) pl. xliv f. 5 Wellington Trans. N. Zeal. Inst. **38, sp. n.**

Leucanitis kabylaria Tunis, BANG-HAAS (136) pl. v f. 7, D. ent. Zs. Iris **19, sp. n.**

Leucochlaena **gen. n.** type *Noctua hispida* Gey. (132), *L. leucocera* Hamps. (136) pl. xcix f. 12, HAMPSON Cap. Lep. phal. **6.**

Lineopalpa sugama Queensland, SWINHOE (408) Ann. Mag. Nat. Hist. **18, sp. n.**

Liodes neurogramma Australia, TURNER (123) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Litholomia dunbari (223) pl. ci f. 31, HAMPSON Cat. Lep. phal. **6.**

Lithophane ledereri (246) pl. cii f. 3, HAMPSON T.c.

Lophoterges **gen. n.** type *Lithocampa fatua* Püng., HAMPSON (91) T.c.

Luperina dumetorum H. G. ab. n. *bleonnensis,* SCHULZ D. ent. Zs. Iris **19** (38–41) pl. v figs. 1 and 2.

Lycophotia (Agrotis) dizyx **sp. n.** Kuku-Noor, PÜNGELER D. ent. Zs. Iris **19** (88).—*L. poliochroa* Tibet, HAMPSON (489) pl. xxxvi figs. 16 and 17 London Proc. Zool. Soc. 1906, **sp. n.**

Lythrodes minutissima Arizona, SMITH (234) Canad. Entomol. **38, sp. n.**

Maceda rufescens New Guinea, BETHUNE-BAKER (222) Nov. Zool. Tring **13, sp. n.**

Magulaba nigra New Guinea, BETHUNE-BAKER (212) T.c., **sp. n.**

Makapta **gen. n.,** *carnescens* **sp. n.** Brazil, SCHAUS (99) Washington U. S. Nation. Mus. Proc. **30.**

Mamestra brassicae and *dissimilis* natürliche Feinde, VASILJEV Věstn. sacharn. promyšl. **5** (911–918).—*M. tuana, sareta,* Arizona, SMITH (229) Canad. Entomol. **38, spp. n.**—*M. pettinicornis* **sp. n.** Arizona, SMITH (11) New York J. Ent. Soc. **14.**

Marcipa tripuncta New Guinea, BETHUNE-BAKER (271) Nov. Zool. Tring **13, sp. n.**

Mastigophorus pandes, lineata, Mexico, **spp. n.,** SCHAUS (129) Washington U. S. Nation. Mus. Proc. **30.**

Matigramma pamela **sp. n.** hab.?, SCHAUS (112) T.c.

Mecodina novoguineana New Guinea, Bethune-Baker (272) Nov. Zool. Tring **13, sp. n.**

Megachyta nolualis Mexico, *sabularea* Brazil, **spp. n.**, Schaus (123) Washington U. S. Nation. Mus. Proc. **30.**

Meganephria extensa (308) pl. ciii f. 21, *funesta* (310) f. 22, Hampson Cat. Lep. phal. **6.**

Melanchra beata **sp. n.** N. Zealand (511) pl. xliv f. 2, Howes Wellington Trans. N. Zeal. Inst. **38.**

Meliana uniformis larva, Piepers (43) 's Gravenhage Tijdschr. Ent. **49.**

Melicleptria melibaphes to *Canthylidia*, Turner (119) Adelaide S. Aust. Trans. R. Soc. **30.**—*M. antonio, sabulosa*, (16), *cresina, sexata*, (17), *subatra, trilata*, (18), *dobla, edwardsii*, (19), *flavidenta* (23), N. America, Smith New York J. Ent. Soc. **14, spp. n.**

Metachrostis hemiphæa (478), *illosis* (477), *pectinata* (476), Ceylon, Hampson Bombay J. Nat. Hist. Soc. **17, spp. n.**

Metalepsis aletes Sikhim, Hampson (488) pl. xxxvi f. 6 London Proc. Zool. Soc. 1906, **sp. n.**

Metalopha gloriosa (105) pl. xcix f. 6, Hampson Cat. Lep. phal. **6.**

Metopoceras gaucleri (119) pl. xcix f. 8, Hampson T.c.

Microeschus parva New Guinea, Bethune-Baker (217) Nov. Zool. Tring **13, sp. n.**

Momaphana februalis (200) pl. ci f. 15, *brillians* (201) f. 16, Hampson Cat. Lep. phal. **6.**

Naenia randa Trinidad, *sabrella* Brazil, **spp. n.**, Schaus (98) Washington U. S. Nation. Mus. Proc. **30.**

Neogalea **gen. n.** *Cucullianae* (7), *braziliensis* **sp. n.** Rio Janeiro (8), Hampson Cat. Lep. Phal. **6.**

Neohermin:a chisena **sp. n.** Brazil, Schaus (121) Washington U. S. Nation. Mus. Proc. **30.**

Neumichtis **gen. n.** for *Hadena trijuncta* Walk., Hampson (298) Cat. Lep. phal. **6.**

Nicetas paulosa **sp. n.** Brazil, Schaus (132) Washington U. S. Nation. Mus. Proc. **30.**

Nocloa **gen. n.** near *Cirrhophanus*, *plagiata*, (13), *rivulosa* (14), Arizona, **spp. n.**, Smith New York J. Ent. Soc. **14.**

Noctua monteclara **sp. n.** California, Smith (10) T.c.

Nodaria renota Sumatra, Swinhoe (411) Ann. Mag. Nat. Hist. **18, sp. n.**

Nonagria inferna **sp. n.** Brazil, Schaus (101) Washington U. S. Nation. Mus. Proc. 30.

Nyctycia **gen. n.** type *Bombycia persimilis* Hamps., *plagiogramma* **sp. n.** India, Hampson (299) Cat. Lep. phal. **6.**

Nyctipao dentifascia obscura subsp. n., Bethune-Baker (250) Nov. Zool. Tring **13.**

Ocalaria **gen. n.**, *guarana* **sp. n.** Brazil, Schaus (132) Washington U. S. Nation. Mus. Proc. **30.**

Ocththophora turneri New Guinea, Bethune-Baker (220) Nov. Zool. Tring **13, sp. n.**

Oligia fuscoma **sp. n.** Brazil, Schaus (102) Washington U. S. Nation. Mus. Proc. **30.**

Omphalophana **gen. n.** type *Noctua antirhini* Hübn., *O. serratula* Staud. pl. xcix f. 7, Hampson (109) Cat. Lep. phal. **6.**

Omphaloscelis **gen. n.** for *Noctua lunosa* Haw., Hampson (469) T.c.

Omphisa anastomosalis, early stages, Swezey (76) Honolula Proc. Hawai. ent. Soc. **1.**

Oncocnemis punctilinea Arizona (170) pl. c f. 10, *poliochroa*, Canada (175) pl. c f. 20, **spp. n.**; *O. mirificalis* (148) pl. civ f. 1, *dayi* (149) pl. xcix f. 13, *hayesi* f. 14, *regina* f. 15, (150), *enta* f. 16, *corusca* pl. civ f. 2, *exemplaris* pl. xcix f. 17, (151), *albifasciata* **nom. n.** for *fasciatus* Sm. (152) f. 18, *melantho* pl. civ f. 3, *pudorata* pl. xcix f. 19, (153), *tenuifascia* (154) f. 20, *balteata* f. 21, *terminalis* f. 22, (155), *iricolor* (156) f. 23, *levis* f. 24, *simplex* f. 25, (157), *saundersiana* (158) f. 26, *pernotata* f. 27, *campicola* f. 28, (159), *fasciata* (160) f. 29, *occata* (162) f. 30, *viriditincta* f. 31, *laticosta* f. 32, (164), *augusta* pl. c f. 1, *flagrantis* f. 2, (165), *glennyi* f. 3, *riparia* f. 4, (166), *cibalis* (167) f. 5, *melalutea* (168) f. 6, *chorda* f. 7, *rosea* f. 8, (169), *simplicia* (170) f. 9, *baceri* f. 11, *homogena* f. 12, (171), *pohono* f. 13, *umbri-*

fascia f. 14, *atrifasciata* f. 15, (172), *barnesi* f. 16, *figurata* f. 17, (173), *major* f. 18, *ciliata* f. 19, (174), *colorado* (175) f. 21, *extranea* f. 22, *chandleri* f. 23, (176), *tetrops* (177) f. 24, *griseicollis* f. 32, *nigrocaput* f. 25, *atricolaris* f. 26, (178), *polingi* (516) pl. cviii f. 3; HAMPSON Cat. Lep. phal. **6.**

Ophideres dinawa New Guinea, BETHUNE-BAKER (269) Nov. Zool. Tring **13, sp. n.**—*O. fullonica*, at sea; FLETCHER (202) Spolia zeylan. **3.**—*O. lunaris* life-history, CRALLAN (176–180) Dorchester Proc. Dorset Nat. Hist. F. Cl. **37.**

Ophisma tropicalis, in Philadelphia, SKINNER Ent. News **17** (213).

Ophiusa kebea (255), *lilacea*, *subumbra*, *ekeikei*, (256), *serratilinea*, *dentilinea*, *acutissima*, (257), *subacuta*, *insignifica*, *vulgaris*, (258), *medioalbata*, *sublutea*, *kenricki*, (259), New Guinea, **spp. n.**; *O. pallida subplaga* subsp. n. (260); BETHUNE-BAKER Nov. Zool. Tring **13.**

Opsigalea **gen. n.** for *Nystalea ocellata* Walk., HAMPSON (84) Cat. Lep. phal. **6.**

Orthodes gigas Arizona, SMITH (230) Canad. Entomol. **38, sp. n.**

Orthogramma ferogia (115), *hermesia* (116), Brazil, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Oruza dinawa, *aroa*, *variegata*, *unipunctata*, New Guinea, BETHUNE-BAKER (215) Nov. Zool. Tring **13, spp. n.**

Oxaenanus indentifascia Khasia hills, SWINHOE (283) Ann. Mag. Nat. Hist. **17, sp. n.**

Pachnobia rubricosa var. n. *arctica* SCHNEIDER Tromso Mus. Aarsh. **28** (118).

Pachypolia himalayensis Sikkim, HAMPSON (312) Cat. Lep. phal. **6, sp. n.**

Palindia argentilinea **sp. n.** Brazil, SCHAUS (110) Washington U. S. Nation. Mus. Proc. **30.**

Palpangula straminea Tunis, BANG-HAAS (135) D. ent. Zs. Iris **19, sp. n.**

Pangrapta pratti (276), *aroa* (277), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Panilla aroa New Guinea, BETHUNE-BAKER (251) T.c., **sp. n.**

Paragonitis **gen. n.** near *Pseudogonitis*, (238), *strigocrenulata* **sp. n.** New Guinea (239), BETHUNE-BAKER T.c.

Paracarea **gen. n.** near *Carea* (245), *rubiginea* **sp. n.** New Guinea (246), BETHUNE-BAKER T.c.

Paragarista **gen. n.** near *Cylcodes*, *albostriata* **sp. n.** New Guinea, BETHUNE-BAKER (255) T.c.

Parelydna **gen. n.** near *Pseudelydna*, (241), *mirabilis* **sp. n.** New Guinea (242) and including *Pseudelydna cyanea* Snell., BETHUNE-BAKER T.c.

Parepisparis **gen. n.** near *Episparis*, *crenulata* **sp. n.** New Guinea, BETHUNE-BAKER (269) T.c.

Palthis gnoma, *berthalis*, Brazil, (128), *calcalis* Mexico (129), **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Penicillaria meeki, *dinawa*, New Guinea, BETHUNE-BAKER (231) Nov. Zool. Tring **13, spp. n.**

Perciana violescens Travancore and Bali, *obscura* Ceylon, HAMPSON (472) Bombay J. Nat. Hist. Soc. **17, spp. n.**—*P. bistrigata*, *meeki*, New Guinea, BETHUNE-BAKER (206) Nov. Zool. Tring **13, spp. n.**

Perigea dinawa, *aroana*, New Guinea, BETHUNE-BAKER (194) T.c., **spp. n.**

Perigea charada Mexico, *cenola*, *secorva*, Brazil, **spp. n.**, SCHAUS (100) Washington U. S. Nation. Mus. Proc. **30.**

Perigonica punctilinea Arizona, SMITH (233) Canad. Entomol. **38, sp. n.**

Perigrapha cincta var. n. *centralasiae*, BARTEL Insektenbörse **23** (63).

Peteroma **gen. n.**, *lignea* **sp. n.** Venezuela, SCHAUS (113) Washington U. S. Nation. Mus. Proc. **30.**

Phaeochlaena cuprea **sp. n.** Brazil, SCHAUS (110) Washington U. S. Nation. Mus. Proc. **30.**

Phanaspa ochracea (215), *rubra*, *punctata*, *dinawa*, (216), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Phibromia **gen. n.**, *narecta* **sp. n.** Brazil, SCHAUS (106) Washington U. S. Nation. Mus. Proc. **30.**

Phiprosopus hypenoides **sp. n.** Brazil, SCHAUS (108) Washington U. S. Nation. Mus. Proc. **30.**

Phoebophilus sajanus **sp. n.** (but in note = *Hadena decipiens* Alph.) pl. v

f. 8 (133), Bang-Haas D. ent. Zs. Iris **19.**

Physetica hudsoni **sp. n.** N. Zealand, Howes (510) pl. xliv f. 1 Wellington Trans. N. Zeal. Inst. **38.**

Plasmaticus **gen. n.** near *Platyja, angulata* **sp. n.** New Guinea, Bethune-Baker (268) Nov. Zool. Tring **13.**

Platyja argenteopunctata, porphyrodes, pratti, New Guinea, Bethune-Baker (267) T.c., **spp. n.**

Pleroma conserta pl. ciii f. 18, *bonuscula* f. 19, (296), *cinerea* (297) f. 20, Hampson Cat. Lep. phal. **6.**

Plusia rhodochrysa Ile Maurice, Joannis (171) pl ix f. 3 Paris Ann. Soc. ent. **75, sp. n.**—*P. kebea, dinawa, ekeikei, babooni,* New Guinea, Bethune-Baker (270) Nov. Zool. Tring **13, spp. n.**—*P. caudata* **sp. n.** Mexico, Schaus (105) Washington U. S. Nation. Mus. Proc. **30.**—*P. hochewarthi* var. n. *alaica,* Galvagni (82) Wien Verh. Zool.-bot. Ges. 1906.—*P. ni,* Zucht, Volker Ent. Zs. Guben **20** (13).—*P. gamma, festucae, interrogationis, varabilis,* abb.; A. Aigner Ann. Hist.-Nat. Mus. Nat. Hung. **4** (521–522).—*P. gamma,* food-plant, Fritsch Insektenbörse Leipzig **23** (144, 148).—Convergenz-Erscheinungen zwischen den Raupen von *Plusia C aureum* und *Notodonta ziczac,* Bergner Zs. wiss. Insektenbiol. Husum **2** 1906 (237–246, 265–276) 1 Taf.

Polia altaica Centr.-Altai, Bang-Haas (134) D. ent. Zs. Iris **19, sp. n.**—*P.* (*Mamestra*) *retrusa* **sp. n.** Kuku-Noor, Püngeler D. ent. Zs. Iris **19** (91).—*P. pentheri* Asia minor, Rebel (201) Wien. Ann. Nat. Hist. Hofmus. **20, sp. n.**

Polychrisia kebeana New Guinea, Bethune-Baker (271) Nov. Zool. Tring **13, sp. n.**

Polydesma pratti (250), *brunneistriga* (251), New Guinea, Bethune-Baker T.c. **13, spp. n.**—*P. nigrocyanea* Ile Maurice, Joannis (172) pl. ix f. 4 Paris Ann. Soc. ent. **75, sp. n.**

Prodenia littoralis Egypt, Willcocks Cairo Yrbk. Khed. Agric. Soc. **1905** (15–56) pl. i.

Protagrotis rufalis (191), *novaguinensis* (192), New Guinea, Bethune-Baker Nov. Zool. Tring **13, spp. n.**

Protophana **gen. n.** type *Herrichia cervina* Edw., Hampson (121) Cat. Lep. phal. **6.**

Psaphida grotei (208) pl. ci f. 18, *thaxteriana* (209) f. 19, Hampson T.c.

Psectraglaea **gen. n.** type *Glaea carnosa* Gr., *olivata* pl. cvi f. 14, Hampson (439) T.c.

Pseudacidalia unilineata New Guinea, Bethune-Baker (216) Nov. Zool. Tring **13, sp. n.**

Pseudanarta crocea (194) pl. ci f. 9, *singula* f. 10, *flavidens* f. 11, (195), *falcata* (196) f. 12, Hampson Cat. Lep. phal. **6.**

Pseudelydna cyanea cf. *Parelydna.*

Pseudodeltoida **gen. n.** *Focillinae, aroa* **sp. n.** New Guinea, Bethune-Baker Nov. Zool. Tring **13.**

Pseudogonites pratti New Guinea, Bethune-Baker (238) T.c., **sp. n.**

Pseudozalissa **gen. n.** near *Hypocala, bella* **sp. n.** New Guinea, Bethune-Baker (250) T.c.

Pseudophia wiskotti pl. x figs. 11 and 12, Wiskott (331) D. ent. Zs. Iris **18.**

Pseudophyx **gen. n.** near *Ophiusa, pratti* **sp. n.** New Guinea, Bethune-Baker (260) Nov. Zool. Tring **13.**

Pseudorthosia variabilis var. n. *pallidior,* Cockerell Ent. News **17** 1906 (204).

Raparna trigramma Sydney, Turner (122) Adelaide S. Austr. Trans. R. Soc. **30, sp. n.**

Rectangulipalpus **gen. n.** *Focillinae,* (286), *meeki* **sp. n.** New Guinea (287), Bethune-Baker Nov. Zool. Tring **13.**

Renia nutsoni Arizona, Smith (237) Canad. Entomol. **38, sp. n.**—*R. ordenalis, cacalis,* (127), Brazil, *bipunctalis* Mexico (128), **spp. n.**, Schaus Washington U. S. Nation. Mus. Proc. **30.**

Reticulana **gen. n.** *Acontiinae, costilinea* **sp. n.** New Guinea, Bethune-Baker (205) Nov. Zool. Tring **13.**

Rhesena jalapena, nezeila, Mexico, *rubromarginata* hab. ?, **spp. n.**, Schaus (107) Washington U. S. Nation. Mus. Proc. **30.**

Rhescipha snowi **sp. n.** Texas, Skinner (95) Ent. News **17.**

Rhizotype **gen. n.** type *Bombyx flammea* Esp. (373); *remota* pl. cv f. 1, *poliorhiza* f. 2, (376), *mongolica* f. 3, *subdetersa* f. 4, (377), *curva* (378) f. 5; HAMPSON Cat. Lep. phal. **6.**

Rhodochlaena **gen. n.** type *Dianthoecia botonga* Feld., HAMPSON (131) T.c.

Rhosologia pallida **sp. n.** Brazil, SCHAUS (124) Washington U. S. Nation. Mus. Proc. 30.

Rhynchaglaea **gen. n.** for *Xylophasia scitula* Butl., HAMPSON (435) Cat. Lep. phal. **6.**

Risoba delicata, viridata, kebea, (233), *avola, olivens, grisea,* (234), *pratti* (235), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**

Rivula aroa, meeki, New Guinea, BETHUNE-BAKER (211) T.c., **spp. n.**

Sadarsa purpurascens New Guinea, BETHUNE-BAKER (235) T.c., **sp. n.**

Sarrothripa mauritia Ile Maurice, JOANNIS (174) pl. ix f. 6 Paris Ann. Soc. ent. **75, sp. n.**—*S. aroa* (224), *brunneicosta, arcuosa, kebea, avola,* (225), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13, spp. n.**—*S. baeopis* Australia, TURNER (121) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Savara amisa Sumatra, SWINHOE Ann. Mag. Nat. Hist. **17, sp. n.**

Schazama **gen. n.** (108), *angustipennis* **sp. n.** Brazil, SCHAUS (109), Washington U. S. Nation. Mus. Proc. **30.**

Schinia macroptica, biforma, (21), *olivacea, ferricasta,* (22), *erosa* (23), *pallicincta, tobia,* (24), *accessa* (25), *alensa, illustra,* (26), *megarena* (27), SMITH New York, J. Ent. Soc. **14, spp. n.**

Scopelosoma satellitia, Variabilität, Teratologie, SCHULZ Wien JahrBer. Entom. Ver. **16** (36–37).

Scotogramma (*Mamestra*) *segnis* **sp. n.** Lob-Noor, PÜNGELER D. ent. Zs. Iris **19** (90).

Semiphora bastula (102), *punctula* (103), Brazil, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Seneratia albopunctata New Guinea, BETHUNE-BAKER (272), Nov. Zool. Tring **13, sp. n.**

Setagrotis dolens British Columbia, SMITH (226) Canad. Entomol. **38, sp. n.**

Sinariola **gen. n.** near *Cosmophila, oxgarra, rufa,* **spp. n.** New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13.**

Sorygaza acutalis **sp. n.** Brazil, SCHAUS (121) Washington U. S. Nation. Mus. Proc. **30.**

Sphingiforma **gen. n.** near *Capotena, pratti* **sp. n.** New Guinea, BETHUNE-BAKER (241) Nov. Zool. Tring **13.**

Spintherops lia **sp. n.** Turkestan, PÜNGELER D. ent. Zs. Iris **19** (97).

Stictoptera ekeikei, rufa, meeki, New Guinea, BETHUNE-BAKER (235) Nov. Zool. Tring **13, spp. n.**

Sympistis celloggi (415) pl. cv f. 32, HAMPSON Cat. Lep. phal. **6.**

Sypna gluta Sumatra, SWINHOE (409) Ann. Mag. Nat. Hist. **18, sp. n.**—*S. angulilinea, bella,* New Guinea, BETHUNE-BAKER (247) Nov. Zool. Tring **13, spp. n.**

Taeniocampa naolina **sp. n.** Brazil, SCHAUS (104) Washington U. S. Nation. Mus. Proc. **30.**—*T. fractura* (232), *indra* (233), Arizona, SMITH Canad. Entomol. **38, sp. n.**

Tarache plumbicula Ceylon (475), *anormalis* S. India (474), HAMPSON Bombay J. Nat. Hist. Soc. **17, spp. n.**—*T. kebeae* New Guinea, BETHUNE-BAKER (208) Nov. Zool. Tring **13, sp. n.**

Targalla catephioides ekeikei subsp. n. *pratti* **sp. n.** New Guinea, BETHUNE-BAKER (227) T.c.

Tathodelta aroensis New Guinea, BETHUNE-BAKER (212) T.c., **sp. n.**

Thalpochares hutsoni (28), *catalina* (29), Arizona, SMITH New York J. Ent. Soc. **14, spp. n.**

Thoracolophotos **gen. n.** near *Ophiusa, ekeikei* **sp. n.** New Guinea, BETHUNE-BAKER (261) Nov. Zool. Tring **13.**

Thyreion stena **sp. n.** Colorado, SMITH (15) New York J. Ent. Soc. **14.**

Thyria aroa New Guinea, BETHUNE-BAKER (119) Nov. Zool. Tring **13, sp. n.**

Tibiocillaria **gen. n.** near *Penicillaria, pratti,* (231), *aureiplaga, dinawaensis,* (232), **spp. n.**, New Guinea, BETHUNE-BAKER T.c.

Tiracola plagiata larva, PIEPERS (35) 's Gravenhage Tijdschr. Ent. **49.**

Tornosinus **gen. n.** *Focillinae, niger* **sp. n.** New Guinea, BETHUNE-BAKER (286) Nov. Zool. Tring **13.**

Tortricodes paulensis (122), *dulcena* (123), Brazil, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Trichoridia **gen. n.** (400) type *Crymodes herchatra* Swinh. (406) pl. cv f. 27, *albiluna* (404) f. 24, *cuprescens* (405) f. 25, **spp. n.**, Tibet; *fulminea* (401) f. 19, *endroma* (402) f. 20, *hampsoni* f. 21, *dentata* f. 22, (403), *canosparsa* (404) f. 23, *sichimensis* (405) f. 26; HAMPSON Cat. Lep. phal. **6.**

Trigonophora grumi u. *flammea* Genitalarmatur und Systematisches., PETERSEN St. Peterburg Hor. Soc. Ent. Ross. **37** (347-351) Taf.

Trileuca ochracea **sp. n.** Mexico, SCHAUS (106) Washington U. S. Nation. Mus. Proc. **30.**

Triommatodes angulata **sp. n.** Guiana, SCHAUS (114) Washington U. S. Nation. Mus. Proc. **30.**

Tyrissa carola **sp. n.** Brazil, SCHAUS (120) Washington U. S. Nation. Mus. Proc. **30.**

Ursogastra **gen. n.** near *Eriopyga* (12), *lunata* **sp. n.** Arizona (13), SMITH New York J. Ent. Soc. **14.**

Valeria icamba (352) pl. civ f. 19, *sauberi* (353) f. 20, *pardaria* (354) f. 28, HAMPSON Cat. Lep. phal. **6.**

Vittapressa **gen. n.** *Acontiinae, rufiplaga* **sp. n.** New Guinea, BETHUNE-BAKER (206) Nov. Zool. Tring **13.**

Westermannia longiplaga New Guinea, BETHUNE-BAKER (218) T.c., **sp. n.**

Xantholeuca sericea (442) pl. cvii f. 29, HAMPSON Cat. Lep. phal. **6.**

Xanthoptera rubrifusa **sp. n.** Ceylon, HAMPSON (475) Bombay J. Nat. Hist. Soc. 17.—*X. dinawa* New Guinea, BETHUNE-BAKER (210) Nov. Zool. Tring **13, sp. n.**

Xylina rosinae **sp. n.** Amur, PÜNGELER D. ent. Zs. Iris **19** (95).—*X. nupera* (280) pl. ciii f. 10, *curvimacula* (282) f. 11, *brillians* (283) f. 12, *cineritia* f. 13, *brucei* f. 14, (284), HAMPSON, Cat. Lep. phal. **6.**

Xylinissa **gen. n.** type *Xylina cossoides* Butl. (355); *lignitis* pl. civ f. 22, *oniroe* (356) f. 23; HAMPSON Cat. Lep. Phal. **6.** —*Xylinissa lignitis* **sp. n.** Bogotá, SCHAUS (97) Washington U. S. Nation. Mus. Proc. **30.**

Xylotype **gen. n.** for *Xylina capax* Gr., HAMPSON (288) T.c.

Yula **gen. n.**, *novaeguineae* **sp. n.** New Guinea, BETHUNE-BAKER (193) Nov. Zool. Tring **13.**

Zagira bicolora, pratti, New Guinea, BETHUNE-BAKER (213) T.c., **spp. n.**

Zalissa ekeikei, kebeensis, New Guinea, BETHUNE-BAKER (211) T.c., **spp. n.**

Zethes lilacea, fuscomarginata, (272), *aroa, griseistriga, meeki*, (273), *nigra, tessellata, ochreistriga*, (274), *apicebrunnea, multilinea, Z. (Cultripalpa) ekeikei, rufalia*, (275), *albopunctada, bella, rubraria*, (276), New Guinea, **spp. n.**; *Z. megaspila* Warr. ♀ (273), *albisigillata* Warr. ♀ (275); BETHUNE-BAKER. T.c.

GEOMETRIDAE

(incl. *Uraniidae* & *Epiplemidae*).

Progressive melanism, DONCASTER Ent. Rec. 1906 (165–168 etc. etc.).

Abraxas grossulariata, varieties, COCKERELL Nature **73** (341); ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (526); var. *lacticolor* breeding experiments, DONCASTER & RAYNOR London Proc. Zool. Soc. 1906 (129–133) pl. viii figs. 4, 5.

Acibdela **gen. n.** type *Nearcha alba* Swinh., TURNER (130) Adelaide S. Aust. Trans. R. Soc. **30.**

Acidalia euphorbiata Nice, BALESTRE (80) Paris Bull. Soc. entom. **1906, sp. n.** —*A. libycata* **sp. n.** Algier, BARTEL (2) Ent. Zs. Guben **20.**—*A. flaccidaria* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (524).—*A. subalbaria* Pack. cf. *Diastictis.*

Acollesis semialba W. Africa, SWINHOE (555) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

Acolutha caniosta New Guinea, WARREN (106) Nov. Zool. **13, sp. n.**

Acrotomodes unicolor **sp. n.** Brazil, WARREN (533) Washington U. S. Nation. Mus. Proc. **30.**

Actenochroma subochracea Warr. = (*Pseudopterna elaearia* Hamps.); SWINHOE (285) Ann. Mag. Nat. Hist. **17.**

Adeixis Warr. = (*Paragyrtis* Meyr.), TURNER (130) Adelaide S. Aust. Trans. R. Soc. **30.**

Adeta confusa New Guinea, WARREN (113) Nov. Zool. **13, sp. n.**

Alcis concinna (139), *irrufata* (140), New Guinea, WARREN T.c., **spp. n.**—*A. lichenaria* **sp. n.** Arizona, PEARSALL (215) Brooklyn Mus. Bull. **1.**—*A. haydenata*, taxonomy, PEARSALL (179) Canad. Entomol. (38).

Almodes benesignata Argentina, DOGNIN (106) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Amphiclasta **gen. n.** *Monocteniinae*, *lygaea* **sp. n.** Australia, TURNER (132) Adelaide S. Aust. Trans. R. Soc. **30.**

Amphidasis betularia ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (527).

Anapalta ruficorpus Tucuman, DOGNIN (205) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Angerona prunaria n. var. *sordiata* breeding experiments, DONCASTER London Proc. Zool. Soc. 1906 (125–128) pl. viii figs. 1–3; broods and varieties PICKETT (59-61) London Trans. City Nat. Hist. Soc. 1905; gynandromorph, PICKETT (293) Ent. Rec. 1906.

Aniserpetes fasciata New Guinea, WARREN (114) Nov. Zool. **13, sp. n.**

Anisocolpia arsensis to *Anthierax*, WARREN (109) T.c.

Anisodes abruptaria Guiana (427), with var. *atridiscata* Peru, *delineata* Guiana, (428), *flavicornis* Peru, *flavipuncta*, (429), *leucaniata*, Guiana, *potreria* Jalapa, (430), *stricticata* Mexico, *subviolescens* Guiana, *terrens* Jalapa, (431), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**—*A. maroniensis* (109), *inquinata* (110), Guiana, DOGNIN Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Anisogamia albifusa (77), *albiseriata*, *batis*, *commaculata*, pl. x f. 11 (78), *decorata* (79), *flavilinea* with ab. *albinata*, *griseonotata*, (80), *iridescens*, *scintillans*, (81), *seminivea*, *triseriata*, *viridissima*, (82), New Guinea; WARREN Nov. Zool. Tring **13, spp. n.**

Anophylla obeliscata **sp. n.** Guiana, WARREN (414) Washington U. S. Nation. Mus. Proc. **30.**

Anticlea semiflava New Guinea, WARREN (93) Nov. Zool. Tring **13, sp. n.**

Antiplecta caesia (399) Mexico, *cinerascens*, Cayenne, *nigripleta*, (400), *triangularis* (401), Mexico, WARREN Washington U. S. Nation. Mus. Proc. **30, spp. n.**

Aphanophleps **gen. n.** *Sterrh'nae*, *vinosaria*, (433), *vulpina* (434), Guiana, **spp. n.**, WARREN T.c.

Aplodes hudsonaria Alberta, TAYLOR (206) Canad. Entomol. **38, sp. n.**—*A. latirosaria* **sp. n.** Utah, PEARSALL (214) Brooklyn Mus. Bull. **1.**

Ardonis dentifera New Guinea, WARREN (114) Nov. Zool. **13, sp. n.**

Arycanda commixta, *fulviradiata*, New Guinea, WARREN (138) pl. x f. 9 T.c., **spp. n.**

Asaphodes parora pl. xliv f. 6 (509), HOWES Wellington Trans. N. Zeal. Inst. **38.**

Aselodes hebetior **sp. n.** Guiana, WARREN (432) Washington U. S. Nation. Mus. Proc. **30.**

Asestra lineata **sp. n.** Peru, WARREN (534) T.c.

Asthena argentipuncta subditaria, New Guinea, WARREN (107) Nov. Zool. **13, spp. n.**

Astyochia signata **sp. n.** Peru (500), WARREN Washingion U. S. Nation. Mus. Proc. **30.**

Atmoceras **gen. n.** *Ascotinae*, *plumosa* **sp. n.** New Guinea, WARREN (140) Nov. Zool. Tring **13.**

Atopodes **gen. n.** near *Rhinodia* (534), *singularis* **sp. n.** Brazil (535), WARREN Washington U. S. Nation. Mus. Proc. **30.**

Atyria cruciata **sp. n.** Bolivia, WARREN (409) T.c.

Atyriodos figulatum Peru, DOGNIN (107) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Aventiopsis **gen. n.** *Ennominae* (535), *ochrea* **sp. n.** Brazil (536), WARREN, Washington U. S. Nation. Mus. Proc. **30.**

Azelinopsis amaura New Guinea, WARREN (156) Nov. Zool. Tring **13, sp. n.**

Bassania amethystata var. n. *extremitata*, WARREN (536) Washington U. S. Nation. Mus. Proc. **30.**

Berberodes cassiteris (493), *B.* ? *delicata*, *simplex*, (494), *violacea* (495), **spp. n.**, Guiana, WARREN T.c.

Boarmia crepuscularia ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (527).—*B. gemmaria* var. n. *rebeli* ♂ Ungarn., A. AIGNER Rovart. L. **13** (69–75).

Bombia **gen. n.** near *Heterusia*, *protuberans* **sp. n.** Peru, WARREN (468) Washington D.C. U. S. Nation. Mus. Proc. **30.**

Borbacha carneata New Guinea, WARREN (134) Nov. Zool. **13, sp. n.**

Brephos puella ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (524).

Bronchelia benepicta, *marcida*, Brazil, **spp. n.**, WARREN (504) Washington U. S. Nation. Mus. Proc. **30.**

Bryoptera albiplaga Guiana, *nigrilineata* Ecuador, **spp. n.**, WARREN (505) T.c.

Burbada radiacata Warr. abb. n. *flavifrons* and *carens* (138); *relata* New Guinea **sp. n.** (139), WARREN Nov. Zool. **13.**

Caberodes ? *aspilataria* Mexico, *nexilinea* Brazil, **spp. n.**, WARREN (537) Washington U. S. Nation. Mus. Proc. **30.**

Cacolyces **gen. n.** for *Lyces plagifera*, WARREN (409) T.c.

Callizzia certiorata **sp. n.** Arizona, PEARSALL (220) Brooklyn Mus. Bull. **1.**

Cambogia abbreviata Peru, DOGNIN (112) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*C. cancellata* **sp. n.** Peru, WARREN (467) Washington, D.C. U. S. Nation. Mus. Proc. **30.**

Camelopteryx **gen. n.** near *Tephroclystia*, *multicolor* **sp. n.** Ile Maurice, pl. ix f. 11, JOANNIS (180) Paris Ann. Soc. ent. **75.**

Camptogramma fluviata abb. n., MATHEW (281–283) Ent. Rec. 1906.

Cannegara himerodes **sp. n.** Mexico, WARREN (538) Washington U. S. Nation. Mus. Proc. **30.**

Capnophylla albiceps Brazil **sp. n.**, WARREN (401) T.c.

Caripeta criminosa **sp. n.** N. America, SWETT New York J. Ent. Soc. **14** (128–129); *C. criminosa* sp. n. = (*C. angustiorata* Pack. nec Wlk.) SWETT Psyche **13** (103).

Carptima **gen. n.** *Hydriomenae*, *hydriomenata* **sp. n.** Arizona, PEARSALL (210) Brooklyn Mus. Bull. **1.**

Celonoptera mirificaria Ld. = (*Sparta paradoxaria* Stgr., DAMPF D. ent. Zs. Iris Berlin **19** (42).

Chaetolopha ? *antennata* (93), *C. flexilinea*, *fulgurata*, (94), *pictipennis*, *ruptistriga*, *splendens*, (95), *tristriata* (96), New Guinea; WARREN Nov. Zool. Tring **13, spp. n.**

Chlorochlamys Hulst emend. (213), *C. volantaria* **sp. n.** Arizona (214), PEARSALL Brooklyn Mus. Bull. **1.**

Chlorochroma discata, *flavilimes*, *geminipuncta*, (83), *laticostata*, *latistriga* pl. x f. 6, *obsoleta*, (84), *punctilligera*, *ruficosta*, *rufistriga*, (85), *vestigiata* (86), New Guinea; WARREN Nov. Zool. Tring **13, spp. n.**—*C. citrolimbaria* Gn. = (*inchoata* Walk. = *Iodis illidgei* Luc.), TURNER (127) Adelaide S. Aust. Trans. R. Soc. **30.**

Chloroclystis exilipicta (176) pl. ix f. 8, *chlamydata* (178) f. 9, Ile Maurice, JOANNIS Paris Ann. Soc. ent. **75, spp. n.** —*C. cuneilinea* (114), *semiscripta* (115), New Guinea, WARREN Nov. Zool. **13, spp. n.**—*C. rectangulata*, sex characters, MEIXNER Zs. wiss. Insektenbiol. **2** (337–344, 376–381).

Chogada compectinata, *semidiscata*, New Guinea, WARREN (141) Nov. Zool. Tring **13, spp. n.**

Cidaria byssata var. n. *tundraeata*, POPPIUS (6) f. 3 Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 3.—*C. mediovittaria* Moore = (*Somatina azonaria* Oberth.); SWINHOE (285) Ann. Mag. Nat. Hist. **17.**

Cirrhosoma curvata **sp. n.** Mexico (495), WARREN Washington U. S. Nation. Mus. Proc. **30.**

Coelurotricha **gen. n.** near *Coelura*, *curvilinea* **sp. n.** Panama, WARREN (402) T.c.

Coenocalpe angustipennis (96), *hirtivena*, *semirufata*, *ustimacula*, (97), *xylinata* (98), New Guinea, WARREN Nov. Zool. Tring **13, spp. n.**

Coenocharis ignavaria **sp. n.** Arizona, PEARSALL (216) Brooklyn Mus. Bull. **1.**

Collix examplata New Guinea, WARREN (98) Nov. Zool. Tring **13, sp. n.**

Comostola flavifimbria, rufimargo, New Guinea, WARREN (86) T.c., **spp. n.**

Comostolodes castaneata, viridifimbria, New Guinea, WARREN (87) T.c., **spp. n.**

Comibaena flavicoma **sp. n.** Guiana, WARREN (415) Washington U. S. Nation. Mus. Proc. **30.**

Cophopoda **gen. n.** near *Trochiodes, pyralidimima* **sp. n.** Parana, WARREN (471) T.c.

Cosymbia lumenaria, life-history, DYAR Psyche **13** (93–94).

Crasilogia dispar ab. n. *simplex*; *C.* ? *fumipennis* **sp. n.** New Guinea; WARREN (99) Nov. Zool. Tring **13.**

Craspedosis costimacula New Guinea, WARREN (134) T.c., **sp. n.**—*C. desmiata* R. & J. pl. iii f. 6, JORDAN (760) Nov. Zool. Tring **13.**

Cremodes concomitans, curta, (435), *fuscifrons* (436) Cuba **spp. n.,** WARREN Washington U. S. Nation. Mus. Proc. **30.**

Crocallis elinguaria, Ei, GILLMER Ent. Zs. Guben **20** (189).—Bemerkung dazu v. E. Boyé, T.c. 1907 (258).

Crocopteryx hilaris Panama (538), C. ? *venusta* Guiana (539), **spp. n.,** WARREN Washington U. S. Nation. Mus. Proc. **30.**

Crypsityla borrigaria Mexico, *ignifera,* (436), *subrubella* (437), Guiana, **spp. n.** WARREN T.c.

Cyclomia lilacina Santa Lucia (539), *strigifera, tumidilinea,* (540), Mexico, **spp. n.,** WARREN T.c.

Cyllopoda bipuncta Peru (409), *radiata* Brazil (410), **spp. n.,** WARREN T.c.—*C. compensata, breviplaga,* Peru, DOGNIN (108) Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Cymatophora divergens Guiana (506), *flexilinea* Mexico, *viriditincta* Paraguay, (507), **spp. n.,** WARREN Washington U. S. Nation. Mus. Proc. **30.**—*C.* ? *fumigrisea* Peru, DOGNIN (211) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*C. matilda,* life-history, DYAR Psyche **13** (22).

Cyphura pardata New Guinea, WARREN (66) pl. x f. 5 Nov. Zool. Tring **13, sp. n.**

Dectochilus decens (540), *tincta* (541), Mexico, **spp. n.,** WARREN Washington U. S. Nation. Mus. Proc. **30.**

Deilinia odontocrossa, glaucochroa, Australia, TURNER (134) Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**—*D. bryantaria* Brit. Columbia, TAYLOR (402) Canad. Entomol. **38, sp. n.**

Deinopygia conifer Guiana, *falcipennis* Mexico, (438), *horrifica, percurrens,* (439), *triangulata* (440), Guiana, **spp. n.,** WARREN Washington U. S. Nation. Mus. Proc. **30.**

Deptalia rubescens Guiana, DOGNIN (111) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Diactinia intromissa New Guinea, WARREN (99) Nov. Zool. Tring **13, sp. n.**

Dialephtis celata **sp. n.** Peru, WARREN (410) Washington U. S. Nation. Mus. Proc. **30.**

Diastictis subalbaria (Pack. as *Acidalia*) and allies; *hulstiaria* **n. sp.** = (*subalbaria* Hulst nec Pack.); TAYLOR (111, 112) Canad. Entomol. **38.**

Dichromatopodia cervina Venezuela, *purpurea, rufimedia,* Guiana, **spp. n.,** WARREN (441) Washington U. S. Nation. Mus. Proc. **30.**

Dichromodes trychnoptila, haematopa, Australia, TURNER (131) Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Dicyclodes **gen. n.** *Oenochrominae* (75), *hieroglyphica* **sp. n.** New Guinea (76) pl. x f. 13, WARREN Nov. Zool. Tring **13.**

Dirades corrasa, niveicosta, New Guinea, WARREN (68) T.c., **spp. n.**

Diradopsis alberta New Guinea, WARREN (69) T.c., **sp. n.**

Dochephora fumosa Venezuela, *nudata* Peru, (472), *obscurata* Guiana (473), **spp. n.,** WARREN Washington U. S. Nation. Mus. Proc. **30.**

Dolichoneura nigrinotata **sp. n.** Guiana, WARREN (407) T.c.

Drucia excrescens (415), *quinquemaculata, semispureata* (416), Guiana, **spp. n.,** WARREN T.c.

Dyscia serena Buenos Aires, DOGNIN (118) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Dysephyra albidiscata **sp. n.**, with var. n. *nigridiscata* Guiana, WARREN (442) Washington U. S. Nation. Mus. Proc. **30.**

Ellopia (?) *dumonti* la Granja, MABILLE (32) pl. iii f. 2 Paris Ann. Soc. ent. **75, sp. n.**—*E. prosapiaria* var. *prasinaria* ab., A. AIGNER Ann. Hist.-Nat Hung. **4** (526).

Emmiltis blandula Guiana (442), *omissa* Bolivia, *tricincta* Brazil, (443), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Enemera simularia **sp. n.** California, TAYLOR (190) Ent. News **17**, but is *Euemera sim*, teste SWETT T.c. (349).

Entomopepal bipars **sp. n.** Guiana, WARREN (542) Washington U. S. Nation. Mus. Proc. **30.**

Enypia packardata Brit. Columbia, Taylor (403) Canad. Entomol. **38, sp. n.**

Eois rotundopennata, life-history, DYAR Psyche **13** (61–62).

Ephialtias morena **sp. n.** Brazil, WARREN (411) Washington U. S. Nation. Mus. Proc. **30.**

Epimecis virginaria, taxonomy, PEARSALL (179) Canad. Entomol. **38.**

Epiplema enthearia Khasia hills, SWINHOE (284) Ann. Mag. Nat. Hist. **17, sp. n.**—*E. subflavida* Java, SWINHOE (553) T.c., **sp. n.**—*E. canibrunnea*, *casbiata*, (69), *cinereella*, *configurata*, (70), *dealbata*, *despecta*, (71), *detecta*, *eupeplodes*, (72), *falcigera*, *flexifascia*, (73), *innocens*, *planimargo*, *taminata*, (74), *vialactea* (75), New Guinea; WARREN Nov. Zool. Tring **13, spp. n.**—*E. excoria* **sp. n.** Mexico, WARREN (402) Washington U. S. Nation. Mus. Proc. **30.**

Epirrhoe auritacta Peru, DOGNIN (204) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Episteira delicata New Guinea, WARREN (109) Nov. Zool. **13, sp. n.**

Epitherapis **gen. n.** *Ennominae* (156), *stramineata* **sp. n.** New Guinea (157), WARREN T.c.

Erateina brunnea (468), *satellites* (469), Bolivia, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Eriopygidia euphemia Ecuador, DOGNIN (206) Ann. Soc. ent. Belgique **50, sp. n.**—*E. quadripunctata* Walk. = (*Hammaptera subrosea* Schaus) PROUT (36) Ent. Rec. 1906.

Eucestia fuscata California, GROSSBECK (275) Canad. Entomol. **38, sp. n.**

Euchlaena effectaria, life-history, DYAR Psyche **13** (117–118).

Euchloris xuthoerania **nom. n.** for *Iodis submissaria* Meyr., *E. megaloptora* Low. = (*Chrysockloroma subalbida* Warr. = *E. hypoleucus* Low.) (127); *rhodocrossa*, *pisochroa*, *amphibola*, **spp.n.** Australia, TURNER Adelaide S. Aust. Trans. R. Soc. **30.**

Euchoeea comptaria synonymy, TAYLOR (203, 204) Canad. entomol. **38.**—*E. comptaria* Walk. synonymy (33–35); *E. exhumata* Catskill mts. **sp. n.** (36); PEARSALL Canad. Entomol. **38.**—*E. pearsalli* **nom. n.** for *Nomenia duodecimlineata* Pack. part, DYAR (110) Canad. Entomol. **38.**

Euchontha castrona **sp. n.** Brazil, WARREN (411) Washington U. S. Nation. Mus. Proc. **30.**

Eucosmia certata ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (524).

Eucrostes saturata Oran, BANG-HAAS (137) pl. v f. 18 D. ent. Zs. Iris **19, sp. n.**

Eucymatoge albicristata, *albimedia* with ab. *bruneotincta*, (115), *brunneata* (116), *constellata*, *contaminata*, *discinota*, (117), *disrupta*, *distorta*, (118), *griseata*, *lichenosa*, (119), *nigribasis* with ab. n. *mediotaeniata*, *placens*, (120), *rufilunata*, *subrubescens*, (121), New Guinea, WARREN Nov. Zool. **13, spp. n.**—*E. vancouverata* Brit. Columbia, TAYLOR (397) Canad. Entomol. **38, sp. n.**

Eudule basipuncta, Peru, *parca* Ecuador, **spp. n.**, WARREN (466) Washington U. S. Nation. Mus. Proc. **30.**

Eumacrodes excilinea **sp. n.** Guiana, WARREN (414) T.c.

Eupileta ? *subcaesia* **sp. n.** Guiana, WARREN (521) T.c.

Eupithecia; notes and figures of palaearctic (55–67) plates i–iv; *lacteolata* Kasikoparan (5 6) pl. i f. 1, *ponderata* Ordubad (64) pl. i f. 13, **spp. n.**; DIETZE D. ent. Zs. Iris **19.**—Eier.

DRAUDT. D. ent. Zs. Iris **18** (280–320) 6 Taf.—Larvae and habits, TUTT (179–182 etc.) Ent. Rec. 1906.—*E. innotata*, allies queried, TUTT (157, 158) Ent. Rec. 1906.—*E. innotata* and *fraxinata*, DADD (259), TUTT (260), *succenturiata*, *subfulvata*, *oxydata*, DADD (261), TUTT (261); Ent. Rec. London 1906.—*E. succenturiata* varr., DIETZE (121–126) pl. iv, D. ent. Zs. Iris **19.**—*E. youngata*, Ottawa, TAYLOR (225) Ottawa Nat. **19** and (404) Canad. Entomol. **38, sp. n.**—*E. regina* (102), *alberta*, *dodata*, (103), *adornata* (104), Alberta, TAYLOR Canad. Entomol. **38, spp. n.**—*E. olivacea* (389), *harveyata*, *dyarata*, (390), *hanhami* (391), *bryanti* (392), *obumbrata*, *modesta*, (393), *insignificata* (394), with var.? *sublineata*, *perbrunneata* (395), British Columbia, TAYLOR Canad. Entomol. **38, spp. n.**—*E. bolena* **sp. n.** Arizona, TAYLOR (191) Ent. News **17.**

Euscnea semibrunnea **sp. n.** Bolivia, WARREN (541) Washington U. S. Nation. Mus. Proc. **30.**

Eustroma harveyata Brit. Columbia, TAYLOR (398) Canad. Entomol. **38, sp. n.**
Entomopepla see Entomopepal?
Fidonia pratana = (*Cid. ectypata* Mab.), MABILLE (34) Paris Ann. Soc. ent. **75.**

Fulgurodes virginalis Peru, DOGNIN (116) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Garaeus papuensis New Guinea, WARREN (157) Nov. Zool. Tring **13, sp. n.**

Gathynia cassata (403), *ochripennis* (404), Mexico, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Gelasma subrufescens **sp. n.** Guiana, WARREN (417) T.c.—*G. imitans* (87), *invidens*, *spumata*, (88), New Guinea, WARREN Nov. Zool. Tring **13, spp. n.**

Gnophos, *Acidalia*, *Tephroclystia*, FUCHS Ent. Zs. Guben **20** (76–77).—*G. glaucinaria supinaria*, PREISSECKER (241) Wien Verh. Zool. bot. Ges. 1906.

Gonodela papuensis and varr. New Guinea, WARREN (154) Nov. Zool. Tring **13, sp. n.**

Gymnoscelis crassifemur New Guinea, WARREN (122) T.c., **sp. n.**

Gonodontis? subflavaria **sp. n.** Texas, PEARSALL (218) Brooklyn Mus. Bull. **1.**

Gonorthus bilineata **sp. n.** Guiana, WARREN (543) Washington U. S. Nation. Mus. Proc. **30.**

Graphipidus flavifilata Colombia, DOGNIN (113) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Gymnoscelis nigella Ile Maurice, JOANNIS (179) pl. ix f. 10 Paris Ann. Soc. ent. **75, sp. n.**

Gynopteryx gladiaria variation and synonymy, PROUT (15, 16) London Proc. ent. Soc. 1906.

Gyostega rufimacula **sp. n.** Guiana (496), WARREN Washington U. S. Nation. Mus. Proc. **30.**

Haemalea comminuta (444), *fragmentaria* (445), *venipunctata* (446), Guiana, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Hammaptera subrosea cf. *Eriopygidia quadripunctata.*—*H. subvinosa* Tucunan, DOGNIN (206) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Hastina viridata New Guinea, WARREN (107) Nov. Zool. **13, sp. n.**

Hemiphricta **gen. n.** near *Berberodes*, *albicostata* **sp. n.** Guiana, WARREN (497) Washington U. S. Nation. Mus. Proc. **30.**

Hemipterodes **gen. n.** near *Lipomelia*, *subnigrata* **sp. n.** Guiana, WARREN (446) T.c.

Heterephyra aurata (447), *fulvescens*, Guiana, *grisea* Trinidad, *scripturata*, (448), *semibrunnea* (449), Guiana, **spp. n.**, WARREN T.c.

Heterodisca castanea New Guinea, WARREN (157) Nov. Zool. Tring **13, sp. n.**

Heterolocha snoviaria Hulst to *Sicya*, TAYLOR (131) New York J. ent. Soc. **14.**

Heterusia subtessellata Peru, DOGNIN (113) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Himera pennaria ab. *obscura*, A. AIGNER Ann. Hist.-Nat. Hung. **4** (527).

Homospora rhodoscopa Low. = (*procrita* Turn.), TURNER (133) Adelaide S. Aust. Trans. R. Soc. **30.**

Hybernia aurantiaria Bkh. ♂ nova ab. *fumipennaria*, HELLWEGER Ent. Zs. Guben **20** (210–211).—*H. bajaria* ab. n. *kempnyaria*, GALVAGNI Wien Verh. Zool.-bot. Ges. 1906.—*H. leucophaearia* varr.,

HAVERKAMPF (158, 159) Bruxelles Ann. Soc. ent. Belgique **50.**

Hydrelia papuensis with ab. n. *dorsinotata* New Guinea, WARREN (108) Nov. Zool. **13, sp. n.**

Hydriomena autumnalis var. n. *columbiata* (399); *H. manzanita* **n. sp.** Brit. Columbia (400); TAYLOR Canad. Entomol. **38.**—*H. multipunctata* California (188), *magnificata* Arizona (189), TAYLOR Ent. News **17, spp. n.**—*H. violascens* (111), *obfuscescens* (112), Ecuador, DOGNIN Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Hygrochroa syringaria ab. n. *hofmanni*, SCHREIBER (58) pl. Regensburg Ber. natw. Ver. **9.**

Hymenomima exangulata, subnigrata, Guiana, **spp. n.**, WARREN (508) Washington U. S. Nation. Mus. Proc. **30.**

Hypochroma purpurissa New Guinea, WARREN (77) pl. x f. 14, Nov. Zool. Tring **13, sp. n.**

Hypometalla purpurea (521) *H.*? *scintillans* (522), **spp. n.**, Guiana, WARREN Washington U.S. Nation. Mus. Proc. **30.**

Idialcis **gen. n.** type *Phibalapteryx jacintha* Butl., *mexicuba* **sp. n.** Mexico, WARREN (509) T.c.

Idiodes homophaea, loxosticha, Australia, TURNER (135) Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Iodis bicolor (88), *commixta* (89), New Guinea, WARREN Nov. Zool. Tring **13, spp. n.**—*I. illidgei* cf. *Chlorochroma, I. submissaria* cf. *Euchloris.*

Ira albirenata **sp. n.** Peru, WARREN (543) Washington D.C. U.S. Nation. Mus. Proc. **30.**

Iridopsis eupepla, fusilinea, (510), *humilis* (511), Cuba, *invenusta* Brazil, *memor* Guiana, (512), *rufisparsa* Cuba, *transvisata* Guiana, (513), **spp. n.**, WARREN T.c.

Iridopsis piperata Peru, DOGNIN (209) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Iulocera albinigra New Guinea, WARREN (155) Nov. Zool. Tring **13, sp. n.**

Ixala adventaria **sp. n.** Arizona, PEARSALL (216) Brooklyn N.Y. Mus. Bull. **1.**

Larentia eteocretica, lasithiotica, Crete, REBEL (233) Wien Verh. Zool.-bot. Ges. 1906, **spp. n.**—*L. unangulata* var. n. *gracilaria, albida* Herz pl. v f. 19, BANG-HAAS (139) D. ent. Zs. Iris **19.**—*L. alaudaria, lugubrata, procellata, rivata, tristata*, abb.; A. AIGNER Ann. Hist.-Nat. Hung. **4** (524–525).—*L. tempestaria*, REBEL Wien JahrBer. Entom. Ver. **16** (53–73).—*L. picata* larval habits, GAUCKLER (102) D. ent. Zs. Iris **19.**—*L. verberata* metamorphoses, CHRÉTIEN (125, 126) Naturaliste 1906.

Lepidospora **gen. n.** (522) near *Hypometalla, lanuginosa* **sp. n.** Brazil (523), WARREN Washington U. S. Nation. Mus. Proc. **30.**

Leptidule sulcifera **sp. n.** Mexico, WARREN (467) T.c.

Leptoctenopsis leucographa Peru, DOGNIN (106) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Leptomeris subfuscata Brit. Columbia, TAYLOR (402) Canad. Entomol. **38, sp. n.**

Leuculopsis intermedia **sp. n.** Mexico, WARREN (501) Washington U. S. Nation. Mus. Proc. **30.**

Lipomelia semisignata Venezuela, DOGNIN (110) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*L.* ? *tristrigata* **sp. n.** Guiana, WARREN (450) Washington U. S. Nation, Mus. Proc. **30.**

Lissochlora sanguinipunctata Tucuman, DOGNIN (204) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Lithostege farinata, BUSSE Ent. Zs. Guben **20** 1906 (27–28).—*L. notata* Tunis pl. v f. 16, BANG-HAAS (138) D. ent. Zs. Iris **19, sp. n.**

Lobocleta **gen. n.** near *Cleta* (450), *translineata* **sp. n.** Guiana (451), WARREN Washington U. S. Nation. Mus. Proc. **30.**

Lobophora appensata var. n. *baikalensis*, BANG-HAAS (138) D. ent. Zs. Iris **19.**—*L. carpinata* var. n. *obscurata*, SCHNEIDER Tromsø Mus. Aarsh **28** (124).—*L. montanata*, PEARSALL (70 etc.) Canad. Entomol. **38.**

Lobophysa **gen. n.** near *Gonophaga, vagilinea* **sp. n.** New Guinea, WARREN (158) Nov. Zool. Tring **13.**

Lobura **gen. n.** near *Ptychopoda, ocellata* **sp. n.** Guiana, WARREN (452) Washington U. S. Nation. Mus. Proc. **30.**

Lomographa discolorata Paraguay, *proximata* Bolivia, (492), *ultimata* Guiana (493), **spp. n.**, WARREN T.c.

Lygris prunata ab. n. *flavicata*, SCHNEIDER Tromsø Mus. Aarsh **28** (125).

Macaria? *flumenata* **sp. n.** Arizona, PEARSALL (215) Brooklyn Mus. Bull. **1.**—*M. quadrifasciata* **sp. n.** Arizona, TAYLOR (190) Ent. News **17.**

Marmopteryx animata **sp. n.** Utah, PEARSALL (212) Brooklyn Mus. Bull. **1.**

Marragodes comminuta Tucuman, DOGNIN (211) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Megaloba **gen. n.** *Trichopteryginae* (109), *leucocyma*, *M.?- rhododactyla*, (110), *M. rubripicta* (111), **spp. n.**, New Guinea, WARREN Nov. Zool. Tring **13.**

Melemaea virgata **sp. n.** Arizona, TAYLOR (188) and (349) Ent. News **17.**

Melochlora affinis (417) *genuflexa*, *hydatodes*, (418), *obnubilata*, *vagilinea*, (419), Guiana, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Meticulodes rufaria Peru, DOGNIN (213) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Miantonota rectilinea **sp. n.** Cuba, WARREN (420) Washington U. S. Nation. Mus. Proc. **30.**

Microgonia albicomma Bolivia (543), *cubana* Cuba, *foedaria* Peru (544), *punctilinea* Bolivia (545), *uniformis* Guiana, *vespertilio* Mexico, *xanthopepla* Guiana, (547), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Micromia **gen. n.** *Tephroclystiinae*, *fulvipuncta* **sp. n.** New Guinea, WARREN (122) Nov. Zool. **13.**

Milionia pericallis R. and J. pl. iii f. 5, JORDAN (760) Nov. Zool. Tring **13.**

Mimogonodes? *subsignata* **sp. n.** Venezuela, WARREN (547) Washington U. S Nation. Mus. Proc. **30.**

Mimomanes **gen. n.** *Heterusiinae*, *egregia* Bolivia, (114), *theclata* Peru (115), **spp. n.**, DOGNIN Bruxelles Ann. Soc. ent. Belgique **50.**

Mimomiza flavescens Khasia hills, SWINHOE (284) Ann. Mag. Nat. Hist. **17, sp. n.**

Mimophyle parallela **sp. n.** Guiana, WARREN (523) Washington U. S. Nation. Mus. Proc. **30.**

Mimosema dorsilinea **sp. n.** Peru, WARREN (548) T.c.

Mnesithetis decolor Guiana, *rufipuncta* Brazil, **spp. n.**, WARREN (452) T.c.

Moneta **gen. n.** *Ennominae*, *plenicolor* **sp. n.** New Guinea, WARREN (159) pl. x f. 8 Nov. Zool. Tring **13.**

Mychonia excisa **sp. n.** Mexico, WARREN (548) Washington U. S. Nation. Mus. Proc. **30.**—*M. divaricata*, *rubida*, Peru, DOGNIN (212) Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Myrioblephara adumbrata, *complicata*, (142), *fulvirena* with ab. *defulvata*, *inquinata* (143), *lucidata*, *olivacea* with ab. *albiviridis*, *submarginata*, (144), New Guinea, WARREN Nov. Zool. Tring **13, spp. n.**

Myrmecophantes velata **sp. n.** Colombia, WARREN (501) Washington U. S. Nation. Mus. Proc. **30.**

Nadagara cuneigera New Guinea, WARREN (160) Nov. Zool. Tring **13, sp. n.**

Narragodes laevis **sp. n.** Peru, WARREN (524) Washington U. S. Nation. Mus. Proc. **30.**

Nearcha alba cf. *Acibdela.*

Neazata **gen. n.** *Semiothisinae*, *multistrigaria* **sp. n.** Brazil, WARREN (525) Washington U. S. Nation. Mus. Proc. **30.**

Nematocampa falsa **sp. n.** Guiana, WARREN (549) T.c.

Nemoria pellucidula Queensland. TURNER (129) Adelaide S. Aust. Trans. R. soc. **30, sp. n.**

Neodeta **gen. n.** *Epiplemidae* (404), *fasciata*, *nana*, Guiana, *ochriplaga* Brazil, (405), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Neodontopera **gen. n.** (549), near *Nematocampa*, *cinerea* **sp. n.** Mexico (550), WARREN T.c.

Neozuga **gen. n.** (497), near *Berberodes*, *latifascia*, *strictifascia*, Guiana, **spp. n.**, (498), WARREN T.c.

Nesalcis rufivenata Chiriqui, DOGNIN (118) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Nipteria deformis Peru, *marginata* Argentina, *sabulosa* Colombia, **spp. n.**, WARREN (502) Washington U. S. Nation.

Mus. Proc. **30**.—*N. saturata* Argentina, DOGNIN (117) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Nomenia and *Euchoeca*, components, *duodecimlineata* synonymy, DYAR (110) Canad. Entomol. **38**.—*N. unipecta* California (35) with var. *secunda* (38), PEARSALL Canad. Entomol. **38, sp. n.**

Noreia pulverosa New Guinea, WARREN (76) Nov. Zool. Tring **13, sp. n.**

Notoptya **gen. n.** *Epiplemidae, fuscularia* **sp. n.** Brazil, WARREN (406) Washington U. S. Nation. Mus. Proc. **30.**

Numia albisecta **sp. n.** Cuba, WARREN (550) T.c.

Nycterephes **gen. n.** *Selidoseminae* (135), *coracopa* **sp. n.** W. Australia (136), TURNER Adelaide S. Aust. Trans. R. Soc. **30.**

Nyssia zonaria lapidaria hybrid *merana*, BURROWS (132) Ent. Rec. 1906.

Obelopteryx **gen. n.** near *Erannis* (407), *angusta* **sp. n.** Peru (408), WARREN Washington U. S. Nation. Mus. Proc. 30.

Ochyria dilataria, fulvistriga, pulchella, (100), *rubecula, subcaesia, unitaeniata*, (101), New Guinea, WARREN Nov. Zool. Tring 13, **spp. n.**

Oedomia **gen. n.** *Epipaschiinae, hispida* **sp. n.** Guiana, DOGNIN (120) Bruxelles Ann. Soc. ent. Belgique **50.**

Omopera **gen. n.** near *Ptychopoda, angulata* **sp. n.** Guiana, WARREN (453) Washington U. S. Nation. Mus. Proc. **30.**

Oospila sellifera **sp. n.** Guiana, WARREN (420) T.c.

Oporabia dilutata, christyi a valid species, its variation, ALLEN (85–89) Ent. Rec. 1906.

Oreonoma rubriplaga **sp. n.** Peru, WARREN (470) Washington U. S. Nation. Mus. Proc. **30.**

Orsonoba paulusi Palästina, REBEL (78) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**—*O. aegyptiaca* Mansura, REBEL (234) T.c., **sp. n.**

Ozola (?) *bicolorata* **sp. n.** Karolinen Archipel, SEMPER (266) D. ent. Zs. Iris **18.**

Pammeris **gen. n.** near *Tricentra, albiguttata, fumata*, Guiana, **spp. n.**, WARREN (454) Washington U. S. Nation. Mus. Proc. **30.**

Paraleidia **gen. n.** *Ascotinae, errabunda*, (145), *marginata, rufivenata*, (146), **spp. n.**, New Guinea, WARREN Nov. Zool. Tring **13.**

Paraleis coerulescens, curvilinea, (147), *deformis, discata* with abb. *alterata* and *albiclausa*, (148), *fulvisecta, junctilinea* with ab. *punctata*, (149), *latimedia, pallidimargo*, (150), *ruptilinea, venusta*, (151), New Guinea, WARREN T.c., **spp. n.**

Paramilionia **gen. n.**, *rubroplagata* **sp. n.** Sierra Leone, BETHUNE-BAKER (345) Ann. Mag. Nat. Hist. **18**; T.c. p. 473, cancelled as being *Sangala gloriosa*.

Patalene sordida **sp. n.** Jamaica. WARREN (551) Washington U. S, Nation. Mus. Proc. **30.**

Periclina cervina **sp. n.** Mexico, WARREN (551) T.c.

Perigramma albivena Guiana, DOGNIN (116) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Perixera ? *bisecta, festiva*, (90), *indigens, stabilata, P. subrosea*, (91), New Guinea, WARREN Nov. Zool. **13, spp. n.**

Perizoma; variation of British species, PROUT London Trans. City Nat. Hist. Soc. 1905 (25–46).—*P. rectilineata* to *Chaetolopha*, WARREN (95) Nov. Zool. Tring **13.**

Pero atridisca Peru, DOGNIN (213) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*P. binasata, disjuncta*, (552), *foeda* (553), Guiana, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Petrodava gibbosa ab. n. *subradiata*, WARREN (156) Nov. Zool. Tring **13.**

Phasiane clathrata ab. *nocturnata*, A. AIGNER Ann. Hist.-Nat. Hung. **4** (527–528).

Pherotesia indistincta **sp. n.** Mexico, WARREN (514) Washington U. S. Nation. Mus. Proc. **30.**

Philopsia canavestita United States, PEARSALL (118) Canad. Entomol. **38, sp. n.**

Phrudura **gen. n.** *Boarmiidae* type *Bapta pura* Swinh., SWINHOE (554) Ann. Mag. Nat. Hist. **17.**

Phrygionis fratercula (499), *sororcula* (500), Cuba, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30**.

Physocleora albibrunnea Guiana, *cretaria* Parana, (515), *fulgurata* Guiana, *fuscicosta* Brazil, (516), *nubilata* Guiana, *rectivecta* Brazil, (517), *scutigera* Bolivia, (518), *suffusca* hab.?, *venirufata* Brazil, (519), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30**.

Pigia albiserpentata **sp. n.** Arizona, PEARSALL (212) Brooklyn Mus. Bull. **1**.

Plutodes connexa New Guinea, WARREN (137) Nov. Zool. **13, sp. n.**

Poecilasthena dorsilinea New Guinea, WARREN (108) T.c., **sp. n.**

Polla albipuncta **sp. n.** Paraguay, WARREN (554) Washington U. S. Nation. Mus. Proc. **30**.

Polypoetes aniplata **sp. n.** Bolivia, WARREN (412) T.c.

Polysphalia **gen. n.** *Tephroclystiinae*, *cristigera* **sp. n.** New Guinea, WARREN (123) Nov. Zool. **13**.

Porona ? balteata **sp. n.** Guiana, WARREN (524) Washington U. S. Nation. Mus. Proc. **30**.

Prionia pulchricolor New Guinea, WARREN (160) Nov. Zool. Tring **13, sp. n.**

Problepsis magna New Guinea, WARREN (92) T.c., **sp. n.**

Prosthetopteryx **gen. n.** *Tephroclystiinae* (123), *barbata*, *caesiata*, (124), *cavilinea*, *latistriga*, (125), *parvipennata*, *rotundata*, (126), *viridisecta* (127), **spp. n.**, New Guinea ; WARREN T.c.

Psaliodes bistrigata Colombia, DOGNIN (207) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Pseudosellodes lacunata Argentina, DOGNIN (109) T.c., **spp. n.**

Pseudoterpna paroptila Queensland, TURNER (130) Adelaide S. Austr. Trans. R. Soc. **30, sp. n.**—*P. elaearia* cf. *Actenochroma subochracea*.

Pterotaea memoriata **sp. n.** Arizona, PEARSALL (217) Brooklyn Mus. Bull. **1**.

Ptochophyle rectilineata Sumatra, SWINHOE (554) Ann. Mag. Nat. Hist. **17, sp. n.**

Ptychoda bipartita, *exempta*, New Guinea, WARREN (92) Nov. Zool. Tring **13, spp. n.**—*P. finita*, *fissilinea*, (455), *flavicincta*, *flexivitta*, Guiana, *imbellis* Jamaica, (456), *marascia* Brazil, *muscifasciata*, *purpureovittata*, (457), *rufarenaria*, *similinea*, (458), *tenebrica*, *ustimargo*, (459), *vagula*, *vitticostata*, (460), Guiana, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30**.—*P. muscilineata* Tucuman, DOGNIN (204) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Ptychotheca **gen. n.** *Tephroclystiinae* for *Chloroclystis pallidivirens* Warr., WARREN (127) Nov. Zool. **13**.

Pycnoloma **gen. n.** *Tephroclystiinae*, *rufibasalis* **sp. n.** New Guinea, WARREN (128) T.c.

Pycnoneura rectilineata **sp. n.** Guiana, WARREN (408) Washington U. S. Nation. Mus. Proc. **30**.

Pyrinia aemula Bolivia, *albilineata*, (555), *insula* Guiana, *praefulvata* Bolivia (557), **sp. n.**, WARREN T.c.

Pyrrhorachis ruficeps New Guinea, WARREN (89) Nov. Zool. Tring **13, sp. n.**

Racheolopha carnelunata, *coerulea*, (421), *confluaria*, *continuata*, *derasa*, (422), *rubescens*, *extensata*, (423), *florepicta*, *lilacina*, (424), *longipalpis*, *nivetacta*, (425), *pallida*, *sporadata*, (426), Guiana, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30**.

Remodes parviplaga New Guinea, WARREN (111) Nov. Zool. Tring **13, sp. n.**

Rheumaptera hastata allies, ab. n. *demolita* (32), PROUT (22–34) London Trans. City Nat. Hist. Soc. 1906.

Rhomborista exililinea New Guinea, WARREN (89) Nov. Zool. Tring **13, sp. n.**

Rhopalodes viridularia (207), *fragmentata*, Chile, *R. ? radiata* Peru, (208), DOGNIN Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Sabulodes arizonata (130), *costinotata* (131), Arizona, TAYLOR New York J. Ent. Soc. **14, spp. n.**—*S. ? amplicineraria* **sp. n.** Utah, PEARSALL (219) Brooklyn Mus. Bull. **1**.

Sangala lucida Bolivia, DOGNIN (115) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Sangalopsis mediata **sp. n.** Bolivia, WARREN (503) Washington U. S. Nation. Mus. Proc. **30**.

Sauria atrilineata, *griseolauta*, New Guinea, WARREN (112) Nov. Zool. Tring **13, spp. n.**

Scea obliquaria **sp. n.** Brazil, WARREN (412) Washington U. S. Nation. Mus. Proc. **30.**

Schistocolpia **gen. n.** (460) near *Dysephyra, crinita* **sp. n.** Guiana (461), WARREN Washington U. S. Nation. Mus. Proc. **30.**

Sciagraphia stabilata **sp. n.** Mexico, WARREN (525) Washington U. S. Nation. Mus. Proc. **30.**

Scodiona nobiliaria Oran, BANG-HAAS (141) pl. v f. 13 D. ent. Zs. Iris **19, sp. n.**

Scopula Schrank, type *ornata*, to be used for *Acidaliids*, PROUT (266) Entomologist 1906.

Scoriopsis **gen. n.** near *Nipteria, nigrivenata* **sp. n.** Mexico, WARREN (503) Washington U. S. Nation. Mus. Proc. **30.**

Scotura discolor Brazil, *nigrata* Guiana, **spp. n.**, WARREN (412) T.c.

Sebastia assimilis Guiana (473), *baltesta* Mexico, *deldaria*, (474), *dormita, humerata*, Brazil, (475), *olivaria* Ecuador, *pallidistriga* Mexico, (476), **spp. n.**, WARREN T.c.

Selidosema umbrosarium and *indicataria*, PEARSALL (178) Canad. Entomol. **38.**—*S. viridis* Queensland, TURNER (133) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Semiothisa abrupta Guiana, (526), *atomaria* Peru, *decorata*, (527), *fervens*, Guiana, *lapidata* Mexico, (528), *liquata* Peru, *multistriata* Brazil, (529), *plurimaculata* Guiana, *punctistriata* Mexico, (530), *subfulva* Panama, *sarda* Colombia, (531), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**—*S. niptra* Ecuador, DOGNIN (119) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Siculodopsis dubia Ecuador (406), *gracilinea* Peru (407), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**

Somatina azonaria cf. *Cidaria mediovittaria.*

Spectrobasis **gen. n.** *Hydriomeninae, rufa*, (102), *viridis* (103), **spp. n.**, New Guinea, WARREN Nov. Zool. Tring **13.**

Stegania dilectaria, gynandromorph, WAGNER Insektenbörse **23** (104).

Steirophora violacea New Guinea, WARREN (113) Nov. Zool. **13, sp. n.**

Stenalcidia cervinifusa Peru, DOGNIN (117) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*S. curvifera* Peru, *illineata* Tucuman, DOGNIN (210) T.c., **spp. n.**—*S. nitens* **sp. n.** Brazil, WARREN (520) Washington U. S. Nation. Mus. Proc. **30.**

Stenaspilates egregiata **sp. n.** Texas, PEARSALL (218) Brooklyn Mus. Bull. **1.**—*S. flavisaria* Arizona (272), *smithii* California (273), GROSSBECK Canad. Entomol. **38, spp. n.**

Stenoplastis transversa **sp. n.** Guiana, WARREN (413) Washington U. S. Nation. Mus. Proc. **30.**

Stenotrachelys insularis **sp. n.** Cuba, WARREN (520) T.c.

Sterrha farada **sp. n.** Mexico, WARREN (461) T.c.

Stesichora pura, strigifera with ab. *crassistriga*, New Guinea, WARREN Nov. Zool. Tring **13, spp. n.**

Stigma atraria Alexander mts., BANG-HAAS (137) D. ent. Zs. Iris **19, sp. n.**

Syncosmia colorata New Guinea, WARREN (128) Nov. Zool. **13, sp. n.**

Syncrenis **gen. n.** near *Pyrinia, ustimargo* **sp. n.** Guiana, WARREN (557) Washington U. S. Nation. Mus. Proc. **30.**

Synelys irrufata **sp. n.** Mexico, WARREN (462) Washington U. S. Nation. Mus. Proc. **30.**

Syntaracta albibasis with abb. *plumbea* and *atriplena* (134), *clathrata* with ab. *fasciata* (135), *fulvata* with ab. *tephrospila, nigrellata* with abb. *scutigera* and *semifascia*, (136), New Guinea, WARREN Nov. Zool. **13, spp. n.**

Tachyphyle costiscripta (426), *subfulvata* (427), Guiana, **spp. n.**, WARREN (427) Washington U. S. Nation. Mus. Proc. **30.**

Talledgea merged in *Philopsia*, PEARSALL (415) Canad. Entomol. **38.**—*T. tabulata* to *Lobophora*, PEARSALL (119) Canad. Ent. **38.**

Tephrina albisecta Mexico, *T.* ? *confertistriga* Brazil, **spp. n.**, WARREN (532) Washington U. S. Nation. Mus. Proc. **30.**

Tephrinopsis indeterminata **sp. n.** Mexico, WARREN (533) T.c.—*T. memor* Peru, DOGNIN (212) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*T. subumbrata* Buenos Aires, DOGNIN (119) T.c., **sp. n.**

Tephroclystia boryata, tenerifensis, Tenerife, REBEL (32) Wien Ann. Nat.

Hist. Hofmus. **21, spp. n.**—*T. albibisecta, coerulescens, currimacula,* (129), *decens, flavicorpus,* (130), *ornatipennis, stabilis, albimixta,* (131), New Guinea, WARREN Nov. Zool. **13, spp. n.**—*T. anita, antaria,* (477), *collineata,* Brazil, *conduplicata,* (478), *consors,* Mexico, *defimbriata* Brazil, (479), *discipuncta* Mexico, *gaumaria* Brazil, (480), *goslina* Mexico, *hastaria* Brazil, (481), *helenaria* Brazil, *indecisa* Mexico, (482), *infrequens* hab. ?, *kurtia, leucographata,* (483), *mediobrunnea, mollita,* (484), Mexico, *muscistrigata* Brazil, *parcirufa* Bolivia, (485), *perolivata* Peru (486), *pictimargo, planipennis, rauca,* (487), *sellia,* Mexico, *semilignata,* (488), *semirufescens,* Brazil, *subalba* Mexico, (489), *submiranda* Guiana, *sylpharia,* (490), *uvaria,* Brazil, *violetta,* (491), *westonaria* (492), Mexico, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. **30.**—*T. furvipennis, semilugens,* Tucuman, DOGNIN (209) Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**—*T. graphata* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (526).

Tephronia fatimaria Oran, BANG-HAAS (140) pl. v f. 14 D. ent. Zs. Iris **19, sp. n.**

Tephrosia luridata ab., DAWS (160) Entomologist 1906.

Thalassodes zebrata New Guinea, WARREN (90) Nov. Zool. Tring **13, sp. n.**

Therapis evonymiaria ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (527).

Timandra amata ab., A. AIGNER, l.c.

Tolmera marescens New Guinea **sp. n.**, *albibasalis* Warr. ♀ ; WARREN (152) Nov. Zool. Tring **13.**

Tricentra aurilimbata, biguttata, (462), *brunneomarginata, colligata,* (463), *consequens, flavistigma,* (464), *ignefumosa, percrocea,* (465), *vinosata,* (466), **spp. n.**, Guiana, WARREN Washington U. S. Nation. Mus. Proc. **30.**—*T. debilis* Guiana, DOGNIN (111) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Trichodezia ; components, PEARSALL (414) Canad. Entomol. **38.**

Trochiodes subpohliata **sp. n.** Bolivia, WARREN (476) Washington U. S. Nation. Mus. Proc. **30.**

Trochistis albivertex, asinina, rufoliva, (153), *vulpina* (154), New Guinea, WARREN Nov. Zool. Tring **13, spp. n.**

Xanthorhoë albiapicata, bifulvata, (103), *cerasina* pl. x f. 5, *coeruleata, fulvinotata,* (104), *interrufata* pl. x f. 6, *monastica,* (105), *plumbilinea* (106), New Guinea, WARREN T.c., **spp. n.**—*X. circumvallaria* Alberta, Taylor (205) Canad. Ent. **38, sp. n.**—*X. pontiaria* (400), *fossaria* (401), Brit. Columbia, TAYLOR T.c., **spp. n.**— *X.* ? *suffocata* Tucuman, DOGNIN (205) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*X. subductata* pl. xliv f. 7, HOWES (509) Wellington Trans. N. Zeal. Inst. **38.**—*X. ferrugata,* crossing forms, PROUT (525–531) London Trans. ent. Soc. 1906.

Xenoclystia **gen. n.** near *Tephroclystia, delectans,* (132), *delicata, humerata, unipuncta,* (133), **spp. n.**, New Guinea, WARREN Nov. Zool. **13.**

Xenoecista trimaculata **sp. n.** Guiana, WARREN (533) Washington U. S. Nation. Mus. Proc. **30.**

Xenomigia **gen. n.** (413) near *Stenoplastis, veninotata* **sp. n.** Colombia (414), WARREN T.c.

Zenophleps victoria Brit. Columbia, TAYLOR (399) Canad. Entomol. **38, sp. n.**

The following entries of Geometridae have previously appeared in the Zoological Record.

(*Acidalia tabianaria* Parma, *gianellaria* Donnaz, TURATI Naturalista sicil. Palermo **18** 1905, spp. n.—*A. perornata* THIÉRY MIEG, Naturaliste **26** sp. n.)

(*Angerona simulatrix* sp. n., THIÉRY MIEG T.c.)

(*Aplogompha aurifera* sp. n. THIERY-MIEG, Naturaliste **26.**)

(*Aselina notodontina* THIERY-MIEG, T.c., sp. n.)

(*Belutodes* gen. n. THIERY-MIEG, T.c.)

(*Callipia paradisaa, rosetta,* THIERY-MIEG, T.c. spp. n.)

(*Callygris* gen. n., THIERRY-MIEG, T.c.)

(*Cidaria selika* sp. n. THIÉRY MEIG Op. cit. **27.**)

(*Euschema auriplena* sp. n., *malayaria* Guénée, *paupera, remota* Walk. *auctata, remota* Walk *albimacula,* varr. n. THIÉRY-MIEG, Naturaliste **26,** 1904.)

(*Grammicopteryx* gen. n., THIÉRY-MIEG, T.c.)

(*Lygris prunata*, THIÉRY-MIEG, T.c. sp. n.)

(*Lythria purpuraria* DEMAISON, Paris, Bul. Soc. ent. **1905**, (125–126).)

(*Marmopteryx elongata*, THIÉRY-MIEG, Naturaliste **26** 1904, sp. n.)

(*Milionia glauca* Cr. *basirubra* var. n. THIERY-MIEG, Naturaliste **27** 1905.)

(*Nelo versicolor* sp. n. THIÉRY-MIEG, Naturaliste **26**.—*Nelo decipiens*, *tricolor*, THIÉRY-MIEG, Op. cit. **27** 1905, spp. n.)

(*Opthalmophora chouya* sp. n. THIÉRY MIEG Naturaliste.)

Ourapteryx givela sp. n., *ourapteryx multistrigaria* Walk. *furissima* var. n., THIÉRY MIEG, T.c.)

(*Paraphnaeus* gen. n. THIÉRY-MIEG, Naturaliste, **26**, 1904.)

(*Parascotia nisseni* Algeri, TURATI, Naturalista sicil. Palermo **18** 1905 (42–43), sp. n.)

(*Pareuschema* gen. n. (type *E. regalis* Butl.) THIÉRY-MIEG, Naturaliste **27** 1905.)

(*Parourapteryx* gen. n. THIÉRY-MIEG, Naturaliste **26** 1904.)

(*Phellinodes leucophasiata* sp. n. THIÉRY-MIEG, Naturaliste **26**.)

(*Problepsis venus*, *maxima*, *mozambica*, THIÉRY-MIEG, Naturaliste spp. n.)

(*Promasia* gen. n. CHRÉTIEN, Naturaliste, **27**, 1905.)

(*Pseudobryophila* gen. n., *preciosa* sp. n. THIÉRY-MIEG, Naturaliste.)

(*Ripula mahometaria* H. *chiffa* var. n. THIÉRY-MIEG, Naturaliste.)

(*Scordamia ditissima* THIÉRY-MIEG, Naturaliste sp. n.)

(*Scordylia aurica*, *pacifica*, THIÉRY-MIEG, Naturaliste **26** 1904, spp. n.)

(*Stammodes mirifica* sp. n. THIÉRY-MIEG, T.c.)

(*Stigma kuldschaensis* Alph. var. *negrita* var n., THIÉRY-MIEG, Naturaliste.)

(*Synneuria ditissima* THIÉRY-MIEG, Naturaliste **26** 1904, sp. n.)

(*Tephrina kleusei* THIÉRY-MIEG, sp. n. Naturaliste.)

(*Tephroclystia tomillata* CHRÉTIEN, Paris Bul. soc. ent. **1904**, (133–134) sp. n.)

PYRALIDAE, THYRIDIDAE.

Nymphulinae and *Scopariinae* of North America; monograph, DYAR New York J. Ent. Soc. **14** (77–107).

Abaera aurofusalis Brazil, HAMPSON (191) Ann. Mag. Nat. Hist **17, sp. n.**

Acallis trichialis Brazil, HAMPSON (201) T.c., **sp. n.**

Acentropus niveus, HAUPT Wochenschr. Aquarienkunde Braunschweig **3** (355–356).

Actenia obliquisignalis (354), *achromalis* Natal, *rhodesialis* Mashonaland, *leucoplagia* Borneo, (355); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Addaea maculata, New Guinea, WARREN (63) Nov. Zool. Tring **13, sp. n.**

Agathodes sumatralis Padang, SWINHOE (293) Ann. Mag. Nat. Hist. **17, sp. n.**

Aglossa rhodalis Cape Colony, *phaealis* Basutoland, (218), *infuscalis* Zambesi, *oculalis* Texas, *ommatalis* Cyprus, (219), *rubralis* Centr. Africa, *approximalis* Nigeria, *ferrealis* Mashonaland, (220), *ocelliferalis* Uganda (221); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Ambasa umbrifarella Algérie, MABILLE (35) Paris ann. soc. ent. **75, sp. n.**

Ambia mesoscotalis (456), *oligalis*, Louisiade Arch., *chalcichroalis*, (457), *melanalis*, Cape Colony, *phaeochroalis*, (458), *leucocymalis*, *aedizonalis*, (459), *albitessellalis* (460), Jamaica, *fusalis* Bali, *vagilinealis* New Guinea and Louisiade Arch., *albibasalis* Surinam, (461), *phaeozonalis* Mexico (462); HAMPSON Ann. Mag. Nat. Hist. **18, spp. n.** — *A. striatalis* **sp. n.** Florida, DYAR (90) New York, J. Ent. Soc. **14.**

Antennodes **gen. n.** for part of *Phryganodes* type *P. radicalis* Walk., HAMPSON (291) Ann. Mag. Nat. Hist. **17.**

Aphytoceros cf. *Polgrammodes.*

Aracopaschia **gen. n.** *Epipaschianae*, *rufescentalis* **sp. n.** W. Australia; HAMPSON (134) Ann. Mag. Nat. Hist. **17.**

Argyractis malayalis Selangor (375), *lophosomalis* Brazil, *danaealis* Mexico, (376), *triopalis* (377), *pentopalis* (378), Sierra Leone, *chrysophalis* (378), *hamiferalis* (379), Mexico, *leucogonialis* (380) Panama, *longipennis* (381), *schistopalis*

(382), Mexico, *capensis* S. Africa, *nandinalis* E. Africa, (383), *tetropalis* Nigeria (384), *albulalis* Jamaica (385), *micropalis* Mexico (386), *parthenodalis* Argentina (387), *metazonalis* Brazil, *nigerialis*, *leucostrialis*, W. Africa, (388), *nymphulalis* Natal (389); HAMPSON Op. cit. **18, spp. n.**—*A. cineralis*, *guadarensis*, (133), *herminalis*, *jalapalis*, (134), *cyloialis*, *sinitalis*, (135), Mexico, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**—*A. leucistis* Ecuador, DOGNIN (184) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Arnatula constantialis Egypt, HAMPSON (123) Ann. Mag. Nat. Hist. **17, sp. n.**

Arouva castanealis Trinidad, HAMPSON (208) T.c., **sp. n.**

Arta solutalis, (=*Caphys dubia* Druce part), *calidalis* (= *C. dubia* Druce part), Central America, (197), *excisalis* Brazil, (198); HAMPSON T.c., **spp. n.**—*A. statalis* Druce, cf. *Xantippe tinctalis*, *Parachma atripunctalis* and *Sarcistis phoenicealis*.

Arxama ochracealis Borneo, *cretacealis* Solomon islds.; HAMPSON (390) Ann. Mag. Nat. Hist. **18, spp. n.**

Aulacodes cyclozonalis, *metataxalis* New Guinea, (467), *pentopalis* Solomon islds., *goniophoralis* New Guinea, (468); HAMPSON T.c., **spp. n.**—*A. moralis*, *templalis*, (138), *confusalis*, *pampalis*; (139), Brazil, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Banisia quinquelineata New Guinea, WARREN (63) Nov. Zool. Tring, **13 sp. n.**

Blepharocerus ignitalis Chili, HAMPSON (200) Ann. Mag. Nat. Hist. **17, sp. n.**

Bocchoris fazanalis Khasia hills, SWINHOE (288) Ann. Mag. Nat. Hist. **17, sp. n.**—*B. vedonalis* Swinh. (as *Chabula*) earlier than *sphenocosma* Meyr. (as *Margaronia*); SWINHOE (288) T.c.

Bostra dipectinialis, *pyroxantha*, Mashonaland, *glaucalis*, (345), *sentalis* E. Africa, *ochrigrammalis* Nigeria (346), *flammalis* Ceylon, *confluralis*, *rufimarginalis*, Cape Colony, *suffusalis* Sierra Leone, (347), *ferrealis* Transvaal, *pygmaea*, *ochrigraphalis*, *tenebralis*, E. Africa, (348), *scotalis* W. Africa, *flavilinealis* Kashmir, (349), *leucostigmalis* E. Africa, *xanthorhodalis* Natal, (350), *metaxanthialis* Ceylon (351); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Brixia quartaria New Guinea, WARREN (64) Nov. Zool. **13, sp. n.**

Callasopia semirufalis Brazil, HAMPSON (212) Ann. Mag. Nat. Hist. **17, sp. n.**

Camadena emarginalis New Guinea, HAMPSON (115) T.c., **sp. n.**—*C. polystaeta* Sikhim, HAMPSON (494) pl. xxxvi f. 7 London Proc. zool. Soc. 1906, **sp. n.**

Camptomastyx hisbonalis synonymy and habitat; SWINHOE (286) Ann. Mag. Nat. Hist. **17.**

Cangetta aurantiaca New Guinea, HAMPSON (212) Ann. Mag. Nat. Hist. **17, sp. n.**

Caphys microthyralis, *rufalis*, Brazil, *cuprealis* Paraguay, (202), *ditrogalis* Fr. Guiana (203); HAMPSON T.c., **spp. n.**—*C. subrosealis* Druce cf. *Xantippe bifilalis*; *C. dubia* Druce cf. *Arta solutalis* and *calidalis*.

Cataclysta euclidialis Old Calabar (392), *melatornalis* Brazil (393); HAMPSON Ann. Mag. Nat. Hist. **18, spp. n.**—*C. jaliscalis* (135), *orizabalis*, Mexico, *scaralis* Brazil, (136), **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Ceratoclasis sulpitialis Sumatra, SWINHOE (414) Ann. Mag. Nat. Hist. **18, sp. n.**

Chalcidoptera incomitata cf. *Sylepta desmialis*.

Chilo simplex, natural history; LEFROY Agric. Res. Inst. Pusa **1** (97–114) pls. x, xi.

Chloropaschia **gen. n.** *Epipaschianae*, *thermalis* **sp. n.** Fr. Guiana, HAMPSON (141) Ann. Mag. Nat. Hist. **17.**

Cledeobia styphlotricha S. Africa, *palpangulalis* Transcaspia, (356), *bipunctalis* Algeria (357); HAMPSON T.c., **spp. n.**

Constantia leucogrammalis E. Africa (352), *phaeagonalis* Cape Colony, *poliopastalis* Algeria, (353), *aglossalis* Cape Colony, *fuscalis* Aden, (354); HAMPSON T.c., **spp. n.**

Cotachena bivitreata Fergusson isld., HAMPSON (215) T.c., **sp. n.**

Crambus; natural history of some N. American, larval tubes etc., FELT (67–78) Albany N.Y. Bull. St. Mus. **104.**—*C. brachyrhabda* Sikhim, HAMPSON (494) pl. xxxvi f. 18 London Proc. Zool. Soc. 1906, **sp. n.**

Crocidophora habisalis Walk. to *Monocrocis*, SWINHOE (295) Ann. Mag. Nat. Hist. **17.**

Ctenus **gen. n.** near *Rhaphiptera* (32), *malacellus* **sp. n.** Malaga (33), MABILLE Paris Ann. Soc. ent. **75.**

Cyclidalis **gen. n.** *Chrysauginae chrysealis* **sp. n.** Brazil, HAMPSON (204) Ann. Mag. Nat. Hist. **17.**

Cyclopalpia phaealis Mexico, HAMPSON (203) T.c., **sp. n.**

Cymoriza paroalis, *jonesalis*, Brazil, **spp. n.**, SCHAUS (137) Washington U. S. Nation. Mus. Proc. **30.**

Dasycnemia agamalis Venezuela, HAMPSON (196) Ann. Mag. Nat. Hist. **17, sp. n.**

Desmia and *Aediodes;* critical and descriptive list of the species in the Stettin Museum; HERING (52–108) Stettiner. ent. Ztg. **67.**—*D. nominabilis* Texas (55), *trimaculalis* Ecuador (56), *herrichialis* Colombia (59), *revindicata* Bolivia (66), *D.* (*Aediodes*) *niveiciliata* Haiti (76), *quadrimaculata* (83), *hoffmannsi* (88), Peru, *tenuimaculata* Bolivia (89), *peruviana* Peru (92), *falcatalis* Bolivia (94), *meyricki* Fergusson isld. (98), *pehlkei* Ecuador (103); HERING T.c., **spp. n.**—*D. vicina* Guiana, DOGNIN (121) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Deuterollyta pagiroa **sp. n.** Brazil, SCHAUS, (141) Washington U. S. Nation. Mus. Proc. **30.**

Dichocrocis visealis Khasia hills, SWINHOE (292) Ann. Mag. Nat. Hist. **17, sp. n.**

Diloxis ustalis Brazil, HAMPSON (199) Ann. Mag. Nat. History ser. 7 **17, sp. n.**

Dioryctria abietella var. n. *septentrionalis*, SCHNEIDER Tromsø Mus. Aarsh. **28** (133).—*D. splendidella* und *abietella* S. V., BAER Tharander forstl. Jahrb. **56** (63–85) 2 Taf.

Diploseustis nigerialis Old Calabar, *selenalis* New Guinea, HAMPSON (213) Ann. Mag. Nat. Hist. **17, spp. n.**

Dracenta rusina, protective appearance, POULTON (533) pl. xxxii f. 1 London Trans. ent. Soc. 1906.

Dysodia rufiflava, Singapore, *pennitarsis* Sumatra, HAMPSON (113) Ann. Mag. Nat. Hist. **17, spp. n.**

Elacalis **gen. n.** *Pyralinae, olivalis* **sp. n.** E. Africa, HAMPSON (258) T.c.

Elophila brunnildalis (91), *drumalis* (92), *slossonalis* (93), *schaefferalis* (95), North America, DYAR New York J. Ent. Soc. **14, spp. n.**—*E. bifascialis* var. n. *kearfottalis*, Id. T.c. (92).

Endolophia **gen. n.** *Thyrididae, hypohaemia* **sp. n.** Brit. Guiana, HAMPSON (116) Ann. Mag. Nat. Hist. **17.**

Endotricha lobibasalis Queensland (208), *trichophoralis* Singapore, *hypogrammalis* China, (209), *nicobaralis* Nicobar islds., *E.* (*Perisseretma*) *phaealis* New Guinea, *E. denticostalis* Borneo, (210), *nioeifimbrialis* Sierra Leone, *flavirubralis* Ashanti, (211), *mediolineata* Sikhim (212); HAMPSON T.c., **spp. n.**

Epitamyra purpurascens Fr. Guiana, *thermalis* Jamaica, HAMPSON (206) T.c., **spp. n.**

Eporidia phoeniusalis, Walk. = (*Phryanodes imbecilis* part Hamps.); SWINHOE (415) Ann. Mag. Nat. Hist. **18.**

Eristena oligostigmalis Andaman islds. (389), *trigonalis* New Guinea (390); HAMPSON Ann. Mag. Nat. Hist. **18, spp. n.**

Eschata radiata Gilolo, SWINHOE (555) Ann. Mag. Nat. Hist. **17, sp. n.**

Eudioptis and allies (108–110); *attigua* Jamaica (114), *sahlkei* Cayenne (117), *gilvidorsis* Bolivia (137), **spp. n.**; HERING Stettiner ent. Ztg. **67.**

Euglyphis falsalis Khasia hills, SWINHOE (290) Ann. Mag. Nat. Hist. **17, sp. n.**

Eurythmia yavapaella **sp. n.** Arizona, DYAR (108) New York J. Ent. Soc. **14.**

Euschraemon nigronaevalis Algérie, MABILLE (36) Paris Ann. Soc. ent. **75, sp. n.**

Euzophera pusilla Biskra, MABILLE (35) T.c., **sp. n.**

Evergestis perobliqualis Tibet, HAMPSON (495) pl. xxxvi f. 20 London Proc. Zool. Soc. 1906, **sp. n.**

Galasa striginervalis Mexico, HAMPSON (200) Ann. Mag. Nat. Hist. **17, sp. n.**

Galleria melonella, Immunität gegen Tuberkulose, METALNIKOV Arch. sc. biol. **12** (299–316) 2 Taf.

Gargela Walk. = (*Mixophila* Meyr.); *G. cuprealis* Borneo, *arcualis* New

Guinea, **spp. n.**; HAMPSON (374) Ann. Mag. Nat. Hist. **18.**

Geshna **gen. n.** *Nymphulinae* (95), *primordialis* **sp. n.** N. America (97), and *Nymphula cannalis* auctt., DYAR New York J. Ent. Soc. **14.**

Glyphodes mascarenalis Iles Comores, JOANNIS (182) pl. ix f. 12 Paris Ann. Soc. ent. **75, sp. n.**

Grammiphlebia **gen. n.** *Pyralinae*, *obliqualis* **sp n.** E. Africa, HAMPSON (352) Ann. Mag. Nat. Hist. **17.**

Hendecasis metalophalis Queensland, *diplogrammalis* Bali, *minutalis* Ceylon, HAMPON (214) T.c., **spp. n.**

Herculia flammealis Madras, *ignefimbrialis* Ashanti, (263), *tristalis* Nigeria, *albifimbrialis* Kiukiang, (264); HAMPSON T.c., **spp. n.**

Heterauge **gen. n.** *Chrysauginae* (193), *sarcalis* **sp. n.** Brazil (194); HAMPSON T.c.

Heterographis costalbella Algérie, MABILLE (34) Paris Ann. Soc. ent. **75, sp. n.**

Hyboloma pallidalis Burma, HAMPSON (265) Ann. Mag. Nat. Hist. **17, sp. n.**

Hyparachma rhodalis, aenalis, Fr. Guiana, HAMPSON (199) T.c., **spp. n.**

Idnea ochribasalis Fr. Guiana, HAMPSON (192) T.c., **sp. n.**

Immyrla **gen. n.** near *Salebria* (107), *nigrovitella* **sp. n.** Pennsylvania (108), DYAR New York J. Ent. Soc. **14.**

Isocentris rubralis Khasia hills, *minimalis* Borneo, SWINHOE (295) Ann. Mag. Nat. Hist. **17, spp. n.**

Jocara trilinealis Bahamas, *lophotalis* Jamaica, (131), *pictalis* Brazil, *ferrifusalis* Jamaica, (132), *discalis* Fr. Guiana, *oediperalis* Panama, (133); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**—*J. apicalis* **sp. n.** Mexico, SCHAUS (141) Washington U. S. Nation. Mus. Proc. **30.**

Lampropygia **gen. n.** *Pyralinae*, *metachrysalis* **sp. n.** Ashanti, HAMPSON (253) Ann. Mag. Nat. Hist. **17.**

Lepidogma flagellalis Borneo, *melaleucalis* Ashanti, *melanobasis* Japan, (129), *dentilinealis* Br. E. Africa, *melanopalis* Borneo, (130), *rubricalis* Mashonaland (131); HAMPSON T.c., **spp. n.**

Lepidomys Guen. = (*Chalinitis*); *L. albisectalis* Panama, *cuprealis* S. America, *medialis* Argentina, **spp. n.**; HAMPSON T.c.

Letchena satelles with ab. *coeca* New Guinea, WARREN (64) Nov. Zool. Tring **13, sp. n.**

Lineodes albicinata Brazil (151), *furcillata* Bolivia (150), *pulcherrima* Peru (155), HERING Stettiner ent. Ztg. **67, spp. n.**

Loxoneptera albicostalis Sumatra, SWINHOE (415) Ann. Mag. Nat. Hist. **18; sp. n.**

Lygropia subcuprea Argentina, DOGNIN (121) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*L. leialis* San Salvador, DOGNIN (185) T.c., **sp. n.**

Macalla mixtirosalis Queensland, *elaea* New Guinea, (135), *galeata* W. Australia, *aenochroa* New Guinea, *melapastalis* Africa, (136), *minoralis* Singapore, *fasciculata* Natal, (137), *attenualis* Brit. Guiana, *fulvitinctalis* Brit. E. Africa, (138), *ochrotalis* Fr. Guiana, *niveorufa* Panama, *melanobasis* Mashonaland, (139), *griseolis* Brit. Guiana, *ignezonalis* Sierra Leone, *glaucochrysalis* Borneo (140), *metachryseis* Brit. E. Africa, (141); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**—*M. paranensis* Brazil, *albescens* hab?, **spp. n.**, SCHAUS (140) Washington U. S. Nation. Mus. Proc. **30.**

Macaretaera delicata Swinh. (as *Trichoptychodes*) = (*hesperis* Hamps.); SWINHOE (289) Ann. Mag. Nat. Hist. **17.**

Margaronia salmenalis Khasia hills, SWINHOE (294) T.c., **sp. n.**—*M. samoana* Samoa, SWINHOE (414) Op. cit. **18, sp. n.**

Massepha marginalis Khasia hills, SWINHOE (287) Op. cit. **17, sp. n.**

Mathoris lenistrialis Gold Coast, *multiguttata* Bolivia, HAMPSON (114) Ann. Mag. Nat. Hist. ser. 7 **17, spp. n.**

Melanalis **gen. n.** *Pyralinae*, *perfusca* **sp. n.** Natal; HAMPSON (359) T.c.

Melissoblaptes cissonobaphes Queensland, TURNER (90) Brisbane Proc. R. Soc. Queensland **19, sp. n.**

Metaclysta **gen. n.** *Hydrocampinae*, *tetrommata* **sp. n.** Louisiade Arch.; HAMPSON (455) Ann. Mag. Nat Hist. **18.**

Microbelia **gen. n.** *Thyrididae* (64), *curvinota* **sp. n.** New Guinea (65); WARREN Nov. Zool. Tring **13.**

Micropaschia **gen. n.** *Epipaschianae* (122), *orthogrammalis* **sp. n.** Fr. Guiana (123); HAMPSON Ann. Mag. Nat. Hist. **17.**

Monocrocis cf. *Crocidophora.*

Murgisca marshalli Natal, HAMPSON (204) Ann. Mag. Nat. Hist. **17, sp. n.**

Myelois glendella **sp. n.** Colorado, DYAR (30) New York J. Ent. Soc. **14.**

Nachaba diplagialis (208), *nyctalis* (209), S. America; HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Nacoleia lentistrialis Paraguay, DOGNIN (184) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Neobostra **gen. n.** *Pyralinae, ferruginealis* **sp. n.** Natal, HAMPSON (344) Ann. Mag. Nat. Hist. **17.**

Nephopteryx hostilis larva, CROMBRUGGHE (271) Bruxelles Ann. Soc. ent. Belgique **50.**

Noctuelia astrigalis Peru, DOGNIN (186) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Nymphula expatrialis, polystictalis, New Guinea; HAMPSON (391) Ann. Mag. Nat. Hist. **18, spp. n.**—*N. franciscalis* **sp. n.** Brazil, SCHAUS (139) Washington U. S. Nation. Mus. Proc. **30.**—*N. litanalis* Walk. = (*Endotricha stenialis* Warr.); SWINHOE (414) Ann. Mag. Nat. Hist. **18.**—*N. maculalis* varr. n. *foeminalis & masculinalis* (80), *nomophilalis* Florida &c. **sp. n.** (84), DYAR New York J. Ent. Soc. **14.**

Ochresia flammealis S. America, HAMPSON (206) Ann. Mag. Nat. Hist. **17, sp. n.**

Oligostigma alicialis, melanotalis, Ceylon, *bipunctalis* Nigeria, (463), *discalis* Celebes, *camptoteles* Tambora, (464), *griseralis* Jamaica, *palleuca* Borneo, (465), *ectogonalis* Louisiade Arch., *auropunctalis* India, with var. Java, *albifurcalis* Assam, (466); HAMPSON Op. cit. **18, spp. n.**—*O. ducalis* **sp. n.** Brazil, SCHAUS (136) Washington U. S. Nation. Mus. Proc. **30.**—*O. vittatalis* **sp. n.** Florida, DYAR (89) New York J. Ent. Soc. **14.**

Ollia parvella **sp. n.** Texas, DYAR (31) T.c.

Omiodes orenalis Andaman islands, SWINHOE (289) Ann. Mag. Nat. Hist. **17, sp. n.**

Omphalepia **gen. n.** *Epipaschianae,* (190), *sobria* **sp. n.** Brit. E. Africa (191); HAMPSON Ann. Mag. Nat. Hist. **17.**

Orthaga ferrealis Queensland (145), *rubridiscalis,* Australia and Louisiade Arch., *melanoperalis* Borneo, (146), *chionalis* and *bipartalis,* Singapore, (147); HAMPSON T.c., **spp. n.**

Oxychirota ceylonica Peradeniya, *mesocola* Christmas isld., HAMPSON (216) T.c., **spp. n.**

Pachyzancla miniatalis Sumatra, SWINHOE (296) Ann. Mag. Nat. Hist. **17, sp. n.**

Parachma thermalis Brazil (194), *atripunctalis* (= *Arta statalis* Druce part) Mexico, *ignefusalis* Bahamas (195), *rufoflavalis* Fr. Guiana, *pallidalis* Central America, (196); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Parachmidia picta Venezuela, HAMPSON (215) T.c., **sp. n.**

Paractenia thermalis Mashonaland (267), *phaeomesalis* E. Africa, *atrisparsalis* Mashonaland, (268); HAMPSON T.c., **spp. n.**

Paraglossa **gen. n.** near *Aglossa, atrisquamalis* E. Africa, (221), *zonalis* W. Africa (222), **spp. n.**; HAMPSON T.c.

Paraponyx dianalis (137), *paulalis* (138), Brazil, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30.**

Parthenodes berthalis **sp. n.** Brazil, SCHAUS (140) T.c.—*P. immanis* Borneo, *scotalis* Zambesi, *africalis* Nigeria, (470), *chalcialis* Brazil (471), *nymphulalis* Centr. America, *ectopalis* Borneo, (472); HAMPSON Ann. Mag. Nat. Hist. **18, spp. n.**

Pelasgis cautichroalis Jamaica, HAMPSON (203) Op. cit. **17, sp. n.**

Pharambara basalis New Guinea, WARREN (65) Nov. Zool. Tring **13, sp. n.**

Phlyctaenodes xuthusalis Tibet, HAMPSON (491) pl. xxxvi f. 19 London Proc. Zool. Soc. 1906, **sp. n.**

Phostria cf. *Phryganodes.*

Phryganodes cf. *Antennodes. P. origoalis* Hamps. to *Phostria,* SWINHOE (291) Ann. Mag. Nat. Hist. **17.**

Phycis dilucidella to *Megasis,* JOHANNIS Paris, Bull. soc. ent. **1906** (154–155).

Plagiosella pectinifera Sierra Leone, HAMPSON (122) Ann. Mag. Nat. Hist. **17, sp. n.**

Platamonia oggalis Khasia hills, SWINHOE (288) Ann. Mag. Nat. Hist. **17, sp. n.**

Pleuroptya cf. *Sylepta.*

Pococera nigribasalis Guatemala (124), *hemimelas* Panama, *rufitinctalis* Paraguay (125), *polialis* Jamaica, *albiceps* Argentina, (126), *stenipteralis* Fr. Guiana, *albimedialis* Mexico, (127), *subviolascens* Argentina, *africalis* E. Africa, (128); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Polygrammodes grossalis Guen., to *Aphytoceres;* SWINHOE (296) Ann. Mag. Nat. Hist. **17.**

Polylophota **gen. n.** *Epipaschianae, barbarossa* **sp. n.** New Guinea, HAMPSON (189) Ann. Mag. Nat. Hist. **17.**

Poujadia pimella **sp. n.** Arizona, DYAR (31) New York J. Ent. Soc. **14.**

(*Prionapteryx nebulifera,* habits DAECKE Ent. News **16** 1905 (12–14) pl.)

Prosaris pulverea (268), *rufalis* (269), S. Africa; HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Pygospila cf. *Telepasta.*

Pyralis garalis **sp. n.** Brazil, SCHAUS (141) Washington U. S. Nation. Mus. Proc. **30.**—*P. oenalis* Ceylon, *costipunctalis* Borneo, *flavimedialis,* (254), *bryalis, cautalis,* (255), *ectaemialis, flavicapitalis,* W. Africa, *anaemicalis* E. Africa, *lorymalis* Aden, (256), *digonialis* S. Africa (257); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Pyrange **gen. n.** *Chrysauginae, flammealis* **sp. n.** Tijuca; HAMPSON (207) Ann. Mag. Nat. Hist. **17.**

Pyrausta erythropis Ecuador, DOGNIN (186) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*P. silvosalis* Khasia hills, SWINHOE (416) Ann. Mag. Nat. Hist. **18, sp. n.**

Rehimena villalis Andaman islds., SWINHOE (287) Ann. Mag. Nat. Hist. **17, sp. n.**

Rhodoneura dorilusalis synonymy and habitat, SWINHOE (286) T.c.—*R. pexa,* Mashonaland, *sparsireta* Cuba, *acygoniata* Colombia, (117), *eugrapha* Ashanti, *leucosticta* Brit. Guiana, (118), *nephelopera* Assam, *euprepes* Brit. Guiana, *gemmata* Nigeria, (119), *bullita* Peru, *miosticta* Ashanti, *lateritiata* Borneo, *palealides* Mashonaland, (120), *ferruginosa* Sikhim, *flavicilia* Rhodesia, *nubila* Brit. Guiana, (121), *aurifera* Paraguay (122); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**—*R. loxomita* Brisbane, TURNER (89) Brisbane Proc. R. Soc. Queensland **19, sp. n.**

Rhynchopaschia **gen. n.** *Epipaschianae, melanolopha* **sp. n.** Mashonaland, HAMPSON (190) Ann. Mag. Nat. Hist. **17.**

Ridleyana **gen. n.** type *Teratauxta paradoxa* Hering; HAMPSON (469) Op. cit. **18.**

Sacada rhodinalis and *rosealis* Mashonaland, *nigripuncta* and *metaxantha* New Guinea, (266), *prasinalis* W. Africa (267); HAMPSON Op. cit. **17, spp. n.**

Saccopleura erythralis Brazil, HAMPSON (191) T.c., **sp. n.**

Salebria engeli **sp. n.** Pennsylvania, DYAR (107) New York J. Ent. Soc. **14.**

Salobrena atropurpurea Central and S. America, *tenebralis* Brazil, HAMPSON (192) Ann. Mag. Nat. Hist. **17, sp. n.**

Sarcistis phoenicealis (= *Arta otatalis* Druce part); HAMPSON T.c.

Saroscelis earbalis N. Borneo, SWINHOE (290) Ann. Mag. Nat. Hist. **17, sp. n.**

Scenedra flavibasalis Queensland, HAMPSON (212) Ann. Mag. Nat. Hist. **17, sp. n.**

Scoparia expallivalis (101), *penumbralis, schwarzalis,* (103), *strigalis* (104), N. America, **spp. n.,** *S. basalis* varr. n. *palloralis & obispalis,* DYAR New York J. Ent. Soc. **14.**

Scopula; this name transferred to *Geometridae,* q.v.

Siculodes fumiceps (65), *nigrithorax, suborbitalis,* (66), New Guinea, WARREN Nov. Zool. Tring, **13, spp. n.**

Sindris bipunctalis, holochralis, deltoidalis, W. Africa, HAMPSON (351) Ann. Mag. Nat. Hist. **17, spp. n.**

Spectrotrota normalis W. Australia, HAMPSON (135) T.c., **sp. n.**

Stemmatophora xanthozonalis Cape Colony, *rubricostalis* Java, *olivalis*

Ceylon, (261), *rubicundalis* Cape Colony, *scotalis* Kashmir, (262), *fuliginalis* Calcutta, *glaucalis* Sierra Leone, (263); HAMPSON T.c., **spp. n.**

Stenia annulalis Peru, DOGNIN (184) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Stenopaschia **gen. n.** *Epipaschianae* (189), *erythralis* **sp. n.** Brazil (190), HAMPSON Ann. Mag. Nat. Hist. **17.**

Stenoptycha and *Lineodes* (138–141); *S. unicolor* **sp. n.** Peru (147); HERING Stettiner ent. Ztg. **67.**

Stericta glaucinalis Surinam, *leucozonalis* Singapore (142), *chionophoralis* Brazil, *leucoplagialis* S. America, (143), *lophocepsalis* and *congenitalis* Borneo, (144), *obliqualis* Bolivia, (145); HAMPSON Ann. Mag. Nat. Hist. **17, spp. n.**

Sthenauge **n. n.** for *Sthenoboea* Rag., HAMPSON (193) T.c.

Striglina pallidirufa Solomon islds. (114), *flammans* Peru, *guttistigma* Nigeria, (115); HAMPSON T.c., **spp. n.**

Sylepta crocealis Ecuador, DOGNIN (185) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*S. desmialis* Walk. = (*inferior* Hamps. = *Chalcidoptera incomitata* Swink.); SWINHOE (293) Ann. Mag. Nat. Hist. **17.**—*S. distinguenda* Hering to *Pleuroptya*, SWINHOE (556) Ann. Mag. Nat. Hist. ser. 7 **17.**

Symphonia albioculalis Old Calabar (391), *leucostictalis* New Guinea (456), HAMPSON Ann. Mag. Nat. Hist. **18, spp. n.**

Tegulifera camptoceralis, sanguicilialis, (258), *chrysoproctalis, nigricinctalis*, W. Africa, *craspedalis* Panama, (259), *epipyralis vinotinctalis*, W. Africa, *holothermalis* Mashonaland, (260); HAMPSON T.c., **spp. n.**

Telespasta **gen. n.** for part of *Pygospila* type *P. cuprealis* Swinh., SWINHOE (294) Ann. Mag. Nat. Hist. **17.**

Tetridia murinalis New Pomerania, SWINHOE (296) T.c., **sp. n.**

Thermauge **gen. n.** *Chrysauginae, flavicilialis* **sp. n.** Old Calabar; HAMPSON Ann. Mag. Nat. Hist. **17.**

Tioga melazonalis Bahamas and Jamaica (123), *fovealis* Fr. Guiana (124), HAMPSON T.c., **spp. n.**

Tosale velutina Fr. Guiana, HAMPSON (193) T.c., **sp. n.**

Trebania glaucinalis, W. China, HAMPSON (269) T.c., **sp. n.**

Trichophysetis whitei Tenerife, REBEL (237) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Trichoptychodes cf. *Macaretaera.*

Triphassa flammealis, anaemialis, W. Africa, HAMPSON (265) Ann. Mag. Nat. Hist. **17, spp. n.**

Tyndis dentilinealis W. Africa, *proteanalis*, (357), *megistalis*, E. Africa, *pictimarginalis* W. Africa, (358); HAMPSON T.c., **spp. n.**

Uliosoma anaemicalis Argentina, *caustalis* Trinidad; HAMPSON (201) T.c., **sp. n.**

Vitessa glaucoptera Queensland (216), *vitialis* Fiji, *cyanea* Fergusson isld., *unipectinalis* Solomon islds., (217), HAMPSON T.c., **spp. n.**

Vitessa stettina New Guinea, *teleroma* Perak, (412), *temerata* New Guinea (413); SWINHOE Ann. Mag. Nat. Hist. **18, spp. n.**

Xantippe tinctalis, (= *Arta statalis* Druce part) Mexico and S. America, *bifilalis* = (*Caphys subrosealis* Druce part) Mexico; HAMPSON (194) Ann. Mag. Nat. Hist. **17, spp. n.**

Zophodia polingella **sp. n.** Arizona, DYAR (11) New York, J. Ent. Soc. **14.**

PTEROPHORIDAE, ORNEODIDAE.

The natural history of British *Alucitides*; TUTT British Lep. vol. v.

Agdistis nanodes **sp. n.** Ceylon, MEYRICK (136) Bombay J. Nat. Hist. Soc. **17.**

Amblyptilia cosmodactyla ab. n. *nivea*, BANKES (39) Ent. Rec. 1906.

Cosmoclostis pesseuta **sp. n.** Ceylon, MEYRICK (134) Bombay J. Nat. Hist. Soc. **17.**

Crombrugghia **gen. n.** for *Oxyptilus distans*, TUTT (449) Brit. Lep. **5.**

Marasma agrorum var. n. (**sp. n.**?) *tuttodactyla* Courmayeur, CHAPMAN (178) Ent. Rec. 1906.

Orneodes sycophanta, toxophila, (133), *trachyptera* (134), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17, spp. n.**

Oxyptilus regulus **sp. n.** Ceylon, MEYRICK (135) T.c.

Platyptilia molopias **sp. n.** Ceylon, MEYRICK (135) T.c.

Stenoptilia sahlbergi Kanin penins., POPPIUS (9) f. 2 Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 3, **sp. n.**

Trichoptilus paludum early stages, CHAPMAN (133–154) pl. vii London Trans. ent. Soc. 1906.

TORTRICIDAE.

The British *Tortrices;* BARRETT Lep. of Brit. Isles **11.**

Annotated catalogue of Belgian *Microlepidoptera,* CROMBRUGGHE DE PICQUENDAELE Bruxelles Mem. soc. ent. Belgique **13** and **14.**

Conchylis ambiguella, Schaden, Biologie, Bekämpfung, SCHREINER St. Peterburg [Dep. d. Landwirthsch.] 1904 (32); Verteilung der Geschlechter, DEWITZ Geisenheim Ber. Lehranst. Obstbau **1905** (194–196); Haufigkeit, DEWITZ Geisenheim Ber. Lehranst. Obstbau **1905** (188–193); *C. ambiguella* und *Eudemis botrana,* Einfluss der Wärme, DEWITZ Geisenheim Ber. Lehranst. Obstbau **1905** (161–188).—*C. calaxrytana* Morea, RABEL (304) Berliner ent. Zs. **50, sp. n.**—*C. littorana* Ins. Grado, GALVAGNI (83) Wien Verh. zool-bot. Ges. 1906, **sp. n.**

Cydia grindeliana Texas, BUSCK (211) Canad. Entomol. **38, sp. n.**

Cymolomia = (*Exartema* Clem.), BUSCK Ent. News **17** (305).

Enarmonia vexilla Tibet, DURRANT (497) London Proc. zool. Soc. 1906, **sp. n.**

Epiblema mundana variation etc., BANKES (8) Entomologist London **29**; STUDD T.c. (19).—*E. sordidana,* early stages BANKES (101–106 and 139) Ent. Mag. London **42.**—*E. ocladias* **sp. n.** Ceylon, MEYRICK (137) Bombay J. Nat. Hist. Soc. **17.**

Eucosma picicolana **sp. n.** Washington, DYAR (108) New York J. Ent. Soc. **14.**

Euxanthis hamana var. n. *largana,* REBEL (305) Berliner ent. Zs. **50.**

Hastula hyerana local and melanic variation, CHAPMAN (243–246) pl. iii Ent. Mag. London **42**; variation at Hyères, CHAPMAN (155–168) pl. viii London Trans. Ent. Soc. 1906.

Hemimene sedatana, piperana, (177), *capitana, britana,* (178), *bittana* (179), *leopardana, plumeriana,* (181), BUSCK Washington Proc. Biol. Soc. **19, spp. n.**

Lipoptycha; characters and composition (173–176); *kana, banana,* N. America, **spp. n.,** (182), BUSCK T.c.

Loxoterma **nom. n.** for *Exartema* latifasciana Haw., BUSCK (305) Ent. News **17.**

Lozopera mediterranea **sp. n.** Morea, REBEL (302) Berliner ent. Zs. **50.**

Meridarchis episacta (137), *phaeodelta* (138), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17, spp. n.**

Paramorpha laxeuta **sp. n.** Ceylon, MEYRICK (138) T.c.

Phalonia badiana, bibliographic note, BANKES (11) Entomologist London **29.**

Platypeplus mormopa **sp. n.** Ceylon, MEYRICK (136) Bombay J. Nat. Hist. Soc. **17.**

Polychrosis confinitana Stgr., REBEL (305) Berliner ent. Zs. **50.**

Retinia austriana Toronto with larva, COSENS (364) Canad. Entomol. **38, sp. n.**

Steganoptycha simplana larva, CROMBRUGGHE (271) Bruxelles Ann. Soc. ent. Belgique **50.**

Tortrix ambiguella ravages on the Rhine, Naturaliste 1906 (226).—*T. pronubana* in Britain, natural history; ADKIN (13–17) London Proc. S. London Nat. Hist. Soc. 1906; ADKIN (265) Entomologist 1906; in Guernsey, food-plant, LUFF (42) Ent. Mag. London **42**; stages, BANKES (6 & 7) Ent. Mag., London **42.**—*T. viridana* habits, SMITS Feuille jeunes natural. **36** (135).

TINEIDAE. s.l. various families.

Adela australis, natural history, CHRÉTIEN (17–19) Naturaliste 1906.

Aeolocosma transferred to *Philobotides* (37); *cycloxantha* **sp. n.** W. Australia (38); MEYRICK Adelaide S. Aust. Trans. R. Soc. **30.**

Agnippe evippeella **sp. n.** Texas, BUSCK (723) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Aeoloscelis theoris **sp. n.** Ceylon, MEYRICK (410) Bombay J. Nat. Hist. Soc. **17.**

Anacampsis nerteria **sp. n.** Ceylon, MEYRICK (139) Bombay J. Nat. Hist. Soc. **17.**—*A. nonstrigella* Pennsylvania, BUSCK (121) Canad. Entomol. **38, sp. n.**

Argyresthia conjugella, natural history, LAMPA (1-16) pl. i Uppsala Ent. Tidskr. **27.**

Atychia orientalis Asia Minor, REBEL (217) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Antiochtha achnastis (150), *stellulata* (149), *tetradelta* (150), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17, spp. n.**

Antithyra **gen. n.** *Xyloryctidae, vineata* **sp. n.** Ceylon, MEYRICK (404) T.c.

Aristotelia lucidella food-plant THURNALL (211), WALSINGHAM (232) Ent. Mag. London **42.**—*A. palustrella*, larva and pupa, BANKES (143–146) Ent. Mag. London **42.**

Bida Walk., definition, *radiosella* Walk. (under *Psecadia*) of which *crambella* Walk. is synonym, description; MEYRICK (48) Adelaide S. Aust. Trans. R. Soc. **30.**

Borkhausenia capnodyta Queensland (35), *asparta* Australia (36), MEYRICK T.c., **spp. n.**

Brachmia cherandra (151), *syrphetodes* (152), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17, spp. n.**

Bradypodicola **gen. n. subfam. n.** *Bradypodicolinae, hahneli* **sp. n.** Süd-Amerika auf *Bradypus* (690), SPULER Biol. Centralbl. **26** (690–697).—Auch in: Festschrift für J. Rosenthal, Tl 1, (88a–88k).

Cemiostoma cf. *Leucoptera.*

Cerostoma flavistrigella California (97), *maculatella, vintrella*, (98), *undulatella* (99), Arizona, BUSCK Ent. News **17, spp. n.**

Cerycostola cf. *Scorpiopsis.*

Chereuta **gen. n.** near *Catoryctis, tinthalea* N. S. Wales, (33), *anthracistis, chalcistis*, W. Australia, (34), **spp. n.**; MEYRICK Adelaide S. Aust. Trans. R. Soc. **30.**

Chlidanota **gen. n.** of **fam. n.** *Chlidonotidae* (412), *thriambis* **sp. n.** Ceylon (413), MEYRICK Bombay J. Nat. Hist. Soc. **17.**

Coleophora alcyonipennella, larval habits, TURNER (41) Ent. Rec. 1906.—*C. discordella, olivaceella, lineola*, larval habits, TURNER (173, 174) T.c.—*C. fuscedinella* larval habits, TURNER (311) T.c.—*C. lixella* larval habits, TURNER (103) T.c.—*C. nigricella, conyzae*, larval habits, TURNER (11–13) T.c.—*C. troglodytella* larval habits, TURNER (65) T.c.—*C. solitariella, pyrrhulipennella, laricella, albitarsella*, larval habits, TURNER (118–122) T.c.

Comocritis pieria **sp. n.** Ceylon, MEYRICK (415) Bombay J. Nat. Hist. Soc. **17.**

Copromorpha efflorescens (412), *metallitis* (411), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17, spp. n.**—*C. prasinochroa* Sydney, MEYRICK (52) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Coriscium texanella **sp. n.** Texas, BUSCK, (732) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Cosmopteryx clandestinella **sp. n.** N. America, BUSCK (712) Washington U. S. Nation. Mus. Proc. **30** (707–713).

Cryptophasa xylomima, porphyritis, (140), *argyrias, pellopis*, (141), Queensland, TURNER Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Dactylethra **gen. n.** *Ypsolophus* group, *tetroctas* **sp. n.** Ceylon, MEYRICK (153) Bombay J. Nat. Hist. Soc. **17.**

Demiophila **gen. n.** *Gelechiidae, psaphara* **sp. n.** Ceylon, MEYRICK (152) T.c.

Depressaria discipunctella H.-S. var. n. *helladicella, tenebricosa* Z. = (*albiocellata* Stgr.), REBEL (311) Berliner ent. Zs. **50.**

Dicasteris **gen. n.**, ? near *Hoplophanes, leucastra* **sp. n.** Tasmania, MEYRICK (55) Adelaide S. Aust. Trans. R. Soc. **30.**

Elachista mitterbergeri Styria, REBEL (643) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Electracma **gen. n.** of the fam. n. *Chlidanotidae, hemichroa* **sp. n.** Ceylon, MEYRICK (413) Bombay J. Nat. Hist. Soc. **17.**

Eonympha **gen. n.** *Oecophoridae* (406), *erythrozona* **sp. n.** Ceylon (407), MEYRICK T.c.

Epermenia imperialella Pennsylvania, BUSCK (124) Canad. Entomol. **38, sp. n.**

Epicallima isopoelia, semantris, Ceylon, MEYRICK (408) Bombay J. Nat. Hist. Soc. **17, spp. n.**

Epichostis **gen. n.** *Xyloryctidae* (404), *elephantias* **sp. n.** Ceylon (405); MEYRICK T.c.

Epicnistis **gen. n.** near *Phyllocnistis*, (64), *euryscia* **sp. n.** Tasmania (65), MEYRICK Adelaide S. Aust. Trans. R. Soc. **30.**

Epicœnia **gen. n.** near *Pancœnia*, *chlorodelta*, (140), *authaema, chernetis*, (141), **spp. n.** Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17.**

Epistomotis **gen. n.** near *Cerostoma*, *penessa* **sp. n.** Ceylon, MEYRICK (416) T.c.

Ethmia to replace *Psecadia*, MEYRICK (49) Adelaide S. Aust. Trans. R. Soc. **30.**—*E. acontias, zelaea*, Ceylon, MEYRICK (409) Bombay J. Nat. Hist. Soc. **17, spp. n.**

Eulechria textilis Australia and Tasmania, MEYRICK (36) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Eumenodora **gen. n.** *Elachistidae*, *encrypta* **sp. n.** Queensland, MEYRICK (55) Adelaide S. Aust. Trans. R. Soc. **30.**

Euprora **gen. n.** (732) *Tineidae, argentiliniella* **sp. n.** Texas (733), BUSCK Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Eupselia leucaspis (38), *trithrona, hypsichora*, (39), Australia; MEYRICK Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Eutorna, defined and species tabulated, (40); *leptographa* (41), *intonsa, tricasis*, (41), *eurygramma, pabulicola*, (43), *spintherias* (44), *diaula, phaulocosma, pelogenes*, (45), *epicnephes* (46), Australia or Tasmania, **spp. n.**; MEYRICK Adelaide S. Aust. Trans. R. Soc. **30.**

Evippe pollostella **sp. n.** Texas, BUSCK (725) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Exorectis **gen. n.** near *Thereutis*, *autoscia* **sp. n.** Victoria, MEYRICK (65) Adelaide S. Aust. Trans. R. Soc. **30.**

Gelechia distinctella mit 6 Flügeln, TARNANI Novo-Aleksandrija Zap. Inst. selĭsk. choz. **18** (106–134).—*G. fondella* Pennsylvania, BUSCK (122) Canad. Entomol. **38, sp. n.**

Gracilaria (*Dialectica*) *gunniella* **sp. n.** Texas, BUSCK (731) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**—*G. hauderi* Austria, REBEL (9) Wien Verh. Zool. bot. Ges. 1906, **sp. n.**

Heliangara **gen. n.** *Gelechiidae*, *lampetis* **sp. n.** Ceylon, MEYRICK (147) Bombay J. Nat. Hist. Soc. **17.**

Heliodines princeps Brisbane, MEYRICK (54) Adelaide Trans. R. Soc. S. Austr. **30, sp. n.**

Heterobathra Low. definition (46), *tetracentra* **sp. n.** W. Australia (47), MEYRICK T.c.

Heterochyta **gen. n.** near *Pleurota*, *xenomorpha*, (47), *asteropa* (48), **spp. n.**, Australia, and *Pleurota pyrosema* Low.; MEYRICK T.c.

Hypertropha zophodesma, rhothias, Australia, MEYRICK (51) Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Hieromantis fibulata **sp. n.** Ceylon, MEYRICK (410) Bombay J. Nat. Hist. Soc. **17.**

Hypercallia alseis, catausta, Ceylon, MEYRICK (406) T.c., **spp. n.**

Idiophantis soreuta **sp. n.** Ceylon, MEYRICK (139) T.c.

Imma; monograph of, MEYRICK (169–206) London Trans. ent. Soc. 1906. The synonymy and taxonomy of this paper are not dealt with below; reference must be made to the paper for these: the following are the spp. n.:—*I. mylias* Ceylon, *cladophragma* Singapore, (173), *triardis* S. India (174), *marileutis* Queensland (175), *psithyristis* Solomon islds., *psoricopa* Ceylon, *cyclostoma* Assam, (176), *metriodoxa* Sumbawa, *lysidesma* Assam, (177), *priozona* Borneo (178), *aulonias* Solomon islds., *dipselia* Sulu, (179), *porpanthes* Perak, *thyriditis* Solomon islds., (180), *dioptrias* New Guinea (181), *caelestis* China, *acroptila* Sierra Leone, (182), *hyphantis* Ceylon (183), *procrossa, neurota*, (184), *xantharcha*, Borneo, *trichinota* Celebes, (185), *otoptera* Borneo, *chlorosphena* Ceylon, (186), *tesseraria, homalotis*, (187), *auxobathra, megalyntis*, (188), *hectaea*, Borneo, *mesochorda* Assam, (189), *panopta* Flores (190), *grammatistis, minatrix*, New Guinea, (191), *epichlaena* (192), *amphixantha*, Borneo,

cymbalodes Assam, (193), *melotoma* Sikkim, *crocozela*, (194), *chrysoplaca*, New Guinea, *phalerata* Assam, *epicomia* Solomon islds., (195), *chlorosoma* Assam, *strepsizona* Celebes, (197), *aeluropis* Borneo, (198), *tyrocnista* Andaman islds., *chasmatica* Sikkim, (199), *nephelastra* Borneo, (200), *nephallactis* Venezuela (201), *cuneata* (202), *metachlora*, *thymora*, (203), Brazil, *cancanopis* Columbia (204); MEYRICK London Trans. ent. Soc. 1906; **spp. n.**

Lecithocera cholopis **sp. n.** Burma, MEYRICK (149) Bombay J. Nat. Hist. Soc. **17.**

Leucoptera = (*Cemiostoma* Z.); *deltidias* Tasmania, *hemizona* W. Australia, **spp. n.**; MEYRICK (61) Adelaide S. Aust. Trans. R. Soc. **30.**

Lita intermediella Hdgn. is *Gelechia fraternella* ab., BANKES (46) Ent. Rec. 1906.—*L. ocellata*, life-history, ravages, GIARD (627–630) also (458–460 erroneously as *Eurycreon*) Paris C.-R. Acad. Sci. **143.**—*L. sabulosella* Asia Minor. REBEL (211) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**—*L. suaedicola* île d'Oléron, MABILLE (54) Paris Ann. Soc. ent. **75, sp. n.**

Loxotrochis **gen. n.** near *Imma*, *sepias* **sp. n.** New Hebrides, MEYRICK (205) London Trans. ent. Soc. 1906.

Lozostoma cf. *Opogona*.

Macrern's rostrata **sp. n.** Ceylon, MEYRICK (147) Bombay J. Nat. Hist. Soc. **17.**

Macrobathra hexadyas, Queensland, MEYRICK (35) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Macrotona paræna **sp. n.** Ceylon, MEYRICK (148) Bombay J. Nat. Hist. Soc. **17.**

Megacraspedus monolorellus Asia Minor, REBEL (213) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Metrernis **gen. n.** of the fam. n. *Chlidanotidae*, *ochrolina* **sp. n.** Ceylon, MEYRICK (414) Bombay J. Nat. Hist. Soc. **17.**

Mompha stellella, *engelella*, Pennsylvania, BUSCK (123) Canad. Entomol. **38, spp. n.**—*M. punctiferella* **sp. n.** Texas, BUSCK (731) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Monopis hemicitra **sp. n.** Ceylon, MEYRICK (417) Bombay J. Nat. Hist. Soc. **17.**—*M. rusticella* larval food, NURSE (160) Entomologist 1906.

Myriopleura **gen. n.** *Xyloryctidae*, *furfurosa*, (405), *isocentra* (406), **spp. n.**, Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17.**

Narthecoceros **gen. n.** near *Macrotona*, *xylodes* **sp. n.** Ceylon, MEYRICK (148) T.c.

Nepticula; Bordeaux spp., notes on larvae etc., BROWN Bordeaux Actes. Soc. linn. **6** (7–15).—*N. leucargyra* (57), *anazona*, *primigena*, *planetis*, *caenodora*, (58), *gilva*, *symmora*, *melanotis*, *funeralis*, (59), *endocapna*, *chalcitis*, *phyllanthina* (60), *libera*, *trepida*, (61), Australia, MEYRICK Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Notodryas calierga S. Australia, MEYRICK (56) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Numata **gen. n.** near *Aristotelia*, *bipunctella* **sp. n.** Texas, BUSCK (724) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

(*Oecophora aragonella* Espagne, CHRÉTIEN, Paris Ann. soc. ent. **1903**, (405) av. fig. et pl., **sp. n.**)

Oecophoridae, taxonomy, MEYRICK (34, 35) Adelaide S. Aust. Trans. R. Soc. **30.**

Oedematopoda ignipicta Butl., habits (Japanese), YAMAZAKI Ichihei. Konch. Sek. Gifu **10** (56–59).

Opogona Z. = (*Lozostoma* Stt.) and belongs to *Tineidae*; MEYRICK (55) Adelaide S. Aust. Trans. R. Soc. **30.**—*O. lachanitis* **sp. n.** Ceylon, MEYRICK (416) Bombay J. Nat. Hist. Soc. **17.**

Opostega frigida **sp. n.** Ceylon, MEYRICK (416) T.c.

Organitis **gen. n.** near *Brachmia*, *characopa* **sp. n.** Ceylon, MEYRICK (151) T.c.

Palamernis **gen. n.** near *Imma* (205), *cannonitis* **sp. n.** Simla (206); MEYRICK London Trans. ent. Soc. 1906.

Persicoptila libanotris **sp. n.** Ceylon, MEYRICK (411) Bombay J. Nat. Hist. Soc. **17.**

Pholeutis **gen. n.** near *Peritorneuta* (49), *neolecta* **sp. n.** Victoria (50), MEYRICK Adelaide S. Aust. Trans. R. Soc. **30.**

Phthorimaea minor **sp. n.** Texas, BUSCK (726) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Phyllocnistis acmias, psychina, (62), *hapalodes, triortha,* (63), *atractias, atranota,* (64), Australia, MEYRICK Adelaide S. Aust. Trans. R. Soc. **30, spp. n.**

Phylomictis eclecta Queensland, TURNER (142) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Pleurota arduella **sp. n.** Morea, REBEL (310) Berliner ent. Zs. **50.**—*P. pyrosema* cf. *Heterochyta.*

Plutella cruciferarum, natural history, nomenclature, historical, QUANJER 's Gravenhage Tijdschr. Ent. **49** (11–17) pls. i and ii; harmfulness in Denmark (Danish) ROSTRUP Aarhus Meddelelser vedrörende Insektangreb paa Markafgröde 1 Jylland **1905** 1906 (84–94).—*P. viatica* Tibet, DURRANT (496) London Proc. Zool. Soc. 1906, **sp. n.**

Psammoris **gen. n.** *Macrotona* group, *carpaea* **sp. n.** Ceylon, MEYRICK (149) Bombay J. Nat. Hist. Soc. **17.**

Psecadia cf. *Ethmia.*—*P. radiosella* Walk. cf. *Bida.*—*P. exornata* Walk: synonymy and allies, reference to *Tamarrha*; WALSINGHAM (175–177) Ann. Mag. Nat. Hist. **18.**

Pseudodoxia chalcias, cretata, (407), *zopheropa* (408), Ceylon, MEYRICK J. Bombay Soc. **17, spp. n.**

Ptochorytis acrosticta, ancistrias, scionota (Ceylon), (403), Id. T.c., **spp. n.**

Ptochosaris **gen n.** near *Saropla, horrenda* **sp. n.** Australia, MEYRICK (37) Adelaide S. Aust. Trans. R. Soc. **30.**

Pyroderces cf. *Stagmatophora.*

Pyrozela **gen. n.** *Plutellidae* (414), *xanthomima, erythromima,* Ceylon, **spp. n.,** (415) MEYRICK Bombay J. Nat. Hist. Soc. **17.**

Recurvaria elachistella **sp. n.** Texas, BUSCK (725) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**—*R. pinella* Colorado, BUSCK (212) Canad. Entomol. 38, **sp. n.**

Rhinosia arnoldiella Asia Minor, REBEL (212) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Scalideutis **gen. n.** near *Borkhausenia, escharia* **sp. n.** Ceylon, MEYRICK (409) Bombay J. Nat. Hist. Soc. **17.**

Scieropepla monoides West Australia, TURNER (141) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Scorpiopsis Turn. = (*Cerycostola* Meyr.), *S. pyrobola,* Meyr. (as *Gonionota*) = (*superba* Turn.); MEYRICK (50) Adelaide S. Aust. Trans. R. Soc. **30.**

Scythris chelota **sp. n.** Ceylon, MEYRICK (411) Bombay J. Nat. Hist. Soc. **17.**—*S. unimaculella* Asia Minor, REBEL (215) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Semiota Dietz, is male of *Setomorpha,* BUSCK (734) Washington D.C. Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Setomorpha calcularis Australia, MEYRICK (66) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Solenobia larella Guadarrama, CHRÉTIEN (56) Naturaliste 1906, **sp. n.**

Sophronia finitimella Asia Minor, REBEL (213) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Stagmatophora; generic synonymy, incl. *Pyroderces, Labdia, Proterocosma,* WALSINGHAM and DURRANT (196, 197) Ent. Mag. London **42.**—*Stagmatophora* = (*Pyroderces*); *S. symbolias* **sp. n.** Queensland; MEYRICK Adelaide S. Aust. Trans. R. Soc. **30.**—*S. gossypiella* Egypt in cotton-pods, WALSINGHAM (178) Ann. Mag. Nat. Hist. ser. 7 **18, sp. n.**

Stathmopoda masinissa **sp. n.** Ceylon, MEYRICK (410) Bombay J. Nat. Hist. Soc. **17.**

Stenomidae fam. n. for *Agriophara* and *Hypeuryntis,* MEYRICK (50) Adelaide S. Aust. Trans. R. Soc. **30.**

Symmoca atricanella (308), *pannosella* (309), **spp. n.,** Morea, REBEL Berliner ent. Zs. **50.**—*S. canariensis* Tenerife, REBEL (38) Wien Ann. Nat. Hist. Hofmus. **21, sp. n.**

Syntomactis crebra Sydney, MEYRICK (53) Adelaide S. Aust. Trans. R. Soc. **30, sp. n.**

Tamarrha and *Psecadia,* components, taxonomy; WALSINGHAM (176) Ann.

Mag. Nat. Hist. ser. 7 **18.**—*T.* valid, (728), *bittenella* **sp. n.** Texas (730), Busck Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Telphusa acaciella **sp. n.** Texas, Busck (722) T.c.

Thiotricha saulotis **sp. n.** Ceylon, Meyrick (138) Bombay J. Nat. Hist. Soc. **17.**

Thudaca Walk. to *Oecophoridae*, Meyrick (49) Adelaide S. Aust. Trans. R. Soc. **30.**

Timyra marmaritis (144), *orthadia* (145), *palathodes* (144), *parochra* (146), *peronetris* (145), *tetraclina* (143), Ceylon, Meyrick Bombay J. Nat. Hist. Soc. **17, spp. n.**

Tineidae; revision of Dietz on *Amydriinae* and *Tineinae*, with criticisms and synonomy, for which refer to the paper itself; Busck Canad. Entomol. (345–348).

Tipha diacma, *trichroa*, Ceylon, Meyrick (142) Bombay J. Nat. Hist. Soc. **17, spp. n.**

Trichotaphe washingtoniella (121), *trinotella* (122), Pennsylvania, Busck Canad. Entomol. **38, sp. n.**

Untomia **gen. n.** near *Aproaerema*, *untomiella* **sp. n.** Texas, Busck (727) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30.**

Yponomeuta malinella Zell. metamorphosis (Japanese); Nitobe Konch. Sek. Gifu **10** (362–363).

Zalithia amethystias **sp. n.** Ceylon, Meyrick (140) Bombay J. Nat. Hist. Soc. **17.**

†Palaeontinidae.

†*Palaeontinidae* fam. n. for *Palaeontina* Butl. etc., Handlirsch (618) Fossil. Ins.

†*Limacodites* **gen. n.**, *mesozoicus* **sp. n.** Bayern Kalk, Handlirsch (622) T.c.

†*Protopsyche* **gen. n.**, *braueri* **sp. n.** Bayern Kalk, Handlirsch (623) T.c.

†*Pachypsyche* **gen. n.** for *Palaeontina vidali* Meun., Handlirsch l.c.

†*Archipsyche* **gen. n.**, *sickstattensis* **sp. n.** Bayern Kalk, Handlirsch (624) T.c.

†*Beloptesis* **gen. n.**, *oppenheimi* **sp. n.** Bayern Kalk, and *Cicada gigantea* Weyenb., Handlirsch (625) T.c.

†*Eocicada* **gen. n.** *lameerei* **sp. n.** Bayern Kalk, Handlirsch (627) T.c.

TRICHOPTERA.

Neuer Beitrag zur Kenntnis aussereuropaeischer Trichopteren; Ulmer Leiden Notes Mus. Jentink **28** 1906 (1–116). This includes many descriptions besides those of the novelties recorded below.

Silfvenius gives descriptive notes on the metamorphoses of numerous *Trichoptera*, accompanied with their characters according to groups and in some cases of genera, with 4 plates; Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6 (1–168) plates i–iv.

Uebersicht über die bisher bekannten Larven europäischer Trichopteren; Ulmer Zs. wiss. Insektenbiol. **2** 1906 (111–117, 162–168, 209–214, 253–258, 288–296).

The pupa of *Trichoptera*; Silfvenius (88–98) Zs. wiss. Insektenbiol. **2.**

†Fossil *Phryganoidea* (= *Trichoptera* auctt.), Handlirsch (483–487) Fossil Ins.

Egg-masses of *Trichoptera* with discussion of classification according to habits, Silfvenius Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 4 (1–128) 2 pls.—Ueber den Laich der Trichopteren, Siltala Arch. Hydrobiol. Stuttgart **2** 1906 (21–62) 1 Taf.

Wert des Spiralbaues bei einigen Trichopterenlarven; Buchner Zs. wiss. Insektenbiol. Husum **2** 1906 (358–359).

Parasites of *Trichoptera*; Siltala Zs. wiss. Insektenbiol. **2** (382–385).

Adicella meridionalis N.W. Spain, Morton (275) Entomologist 1906, **sp. n.** —*A. pulcherrima* **sp. n.** West Java, Ulmer (43) Leiden Notes Mus. Jentink **28.**

Aethaloptera maxima Orange Free State, Ulmer (62) Leiden Notes Mus. **28, sp. n.**

Agapetus comatus larva, pupa and case, Silfvenius (155–157) f. 44, Helsingfors Acta Soc. Fauna. Fl. Fenn. **27** No. 6.

Agrypnetes crassicornis larva, pupa, case, SILFVENIUS (19–25) fig. 5 T.c. No. 2 —*A. crassicornis* ♂, ♀, localities, SILFVENIUS (111–117) Helsingfors Medd. Soc. Fauna Fl. Fenn. **31.**

Agrypnia islandica (?) ♀ Kanin Halbinsel, MARTYNOV St. Peterburg Zap. Russ. Geogr. Obšč. **41** (267–275).—*A. picta* larva, SILFVENIUS (16) Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 2; pupa, SILFVENIUS (9) f. 2 T.c. No. 6.

Anisocentropus flavomarginatus **sp. n.** Borneo & Java vielleicht N. China, ULMER (51) Leiden Notes Mus. Jentink **28.**—*A. fuscus* Arizona, BANKS (19) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

†*Archotaulius* **gen. n.**, *bavaricus* **sp. n.** Bayern Kalk, HANDLIRSCH (617) Fossil. Ins.

Arctopsyche irrorata North Carolina, BANKS (15) Philadelphia Tr. Amer. ent, Soc. **32, sp. n.**

Atomyia **gen. n.** near *Lepidostoma* (11), *modesta* **sp. n.** North Carolina (12), Id. T.c.

Atopsyche **gen. n.** near *Philopotamus*, *tripunctata* **sp. n.** Arizona, BANKS (17) T.c.

Beraeodes minuta L. pupa, SILFVENIUS (33) Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Brachycentrus subnubilus, larva, pupa and case, SILFVENIUS (21–26) f. 6 T.c.

Chimarrha auronitens Celebes (89), *argentella* Jamaica (92), ULMER Leiden Notes Mus. Jentink **28, spp. n.**

Colpotaulius incisus larva and pupa, SILFVENIUS (29) Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 2.—*C. medialis* Illinois and Canada, BANKS (9) Philadelphia Trans. Amer. ent. Soc. **32, sp. n.**

Cyrnus trimaculatus larva and pupa (129) f. 34, *insolutus* larva (131) f. 35, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.—*C. fraternus* N. America, BANKS (17) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Dipseudopsis simplex Oranje-Freistaat und Bas-Ogoué (85), *voluta* Celebes (87), ULMER Leiden Notes Mus. Jentink **28, spp. n.**

Erotèsis baltica larva, pupa and case, SILFVENIUS (77) f. 20 Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Ganonema brevipenne **sp. n.** Borneo, ULMER (46) Leiden Notes Mus. Jentink **28.**

Glossosoma vernale larva and pupa, SILFVENIUS (159) f. 40 Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Glyphotaelius subsinuatus **sp. n.** Japan, ULMER (5) Leiden Notes Mus. Jentink **28.**

Goëra pilosa larva and pupa, SILFVENIUS (19) f. 5 Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.—*G. fuscula* North Carolina, BANKS (11) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Holocentropus auratus larva and pupa (125–128) f. 32, *stagnalis* larva and pupa (128) f. 33, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.—*H. placidus* Washington, BANKS (15) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Holostomis atrata larva, SILFVENIUS (9–12) Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No 2.

Hydromanicus aurovittatus Java (80), *ungulatus* Deutsch Neu-Guinea (82), ULMER Leiden Notes Mus. Jentink **28, spp. n.**

Hydropychidae, table of North American genera, BANKS (13) Philadelphia Tr. Amer. ent. Soc. **32.**

Hydropsyche; larvae (91–100), *H. saxonica* larva, pupa and case (100–102) f. 22, *angustipennis* larva, pupa and case, (103–105) f. 23, *instabilis* larva, pupa and case (105–107) f. 24, *lepida* larva, pupa and case (108–111) f. 25; SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.—*H. silfvenii* Finland, ULMER, Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 8 (15), **sp. n.**—*H. oslari* (13), *hageni*, *slossonae*, *cockerelli*, (14), *bifida*, *kansensis*, (15), North America; BANKS Philadelphia Tr. Amer. ent. Soc. **32, spp. n.**

Lepidostoma hirtum larva, SILFVENIUS (29) f. 8, Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Leptocella texana San Antonio **sp. n.**, *exilis* nom. n. for *gracilis* Banks, BANKS (19) Philadelphia Tr. Amer. ent. Soc. **32.**

Leptocerus fulvus, larva and pupa (48–53) f. 11, *senilis* larva and pupa (53–57) f. 12, *annulicornis* pupa (57) f. 13, *aterrimus* larva and pupa (58–61)

f. 14, *cinereus* larva and pupa (61–65) f. 15, *excisus* larva, pupa and case (65–68) f. 16; SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.—*L. sibiricus* Amur (36), *niveicornis* Goldküste (38), ULMER Leiden Notes Mus. Jentink **28, spp. n.**

Limnophilus borealis (34), *flavicornis* (38), *marmoratus* (40), *lunatus* (46), *affinis* (50), *bimaculatus* (53), *luridus* (57), metamorphoses; SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 2.—*L. capillatus* **sp. n.** Patagonien, ULMER (11) Leiden Notes Mus. Jentink **28.**

Lype sp. lar a and pupa, SILFVENIUS (138–140) f. 37 Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Macronema sinuatum **sp. n.** Borneo, ULMER (71) Leiden Notes Mus. Jentink **28.**

Maniconeura albardana Siberia (26), *destructa* Dardjiling (28), ULMER T.c., **spp. n.**

Melanotrichia **gen. n.** (100), *singularis* **sp. n.** India merid. (101), ULMER T.c.

†*Mesotaulius* **gen. n.** *jurassicus* **sp. n.** Bayern Kalk, HANDLIRSCH (617) Fossil. Ins.

†*Mesotrichopteridium* **gen. n.**, *pusillum* **sp. n.** Lias Mecklenburg, HANDLIRSCH (485) T.c.—†*M. purbeckianum* England, HANDLIRSCH (617) T.c.

Micrasema setiferum larva and pupa, SILFVENIUS (26) f. 7 Helsingfors Acta Soc. Faun. Fl. Fenn. **27** No. 6.

Micropterna lateralis larva and case, SILFVENIUS (67) T.c. No. 2.

Molanna angustata larva, pupa, SILFVENIUS (38) f. 9 T.c. No. 6.—*M. cupripennis* **sp. n.** Celebes, ULMER (30) Leiden Notes Mus. Jentink **28.**

Molannodes zelleri larva and pupa, SILFVENIUS (40–43) f. 10 Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Monocosmoecus **gen. n.**, *vanderweelii* Patagonien, (13), *pulcher* (16) Tierra del Fuego, **spp. n.**; *M.* (*Halesus*) *hyadesi* Jul. Mab., ULMER Leiden Notes Mus. Jentink **28.**

Mortoniella **gen. n.** (95), *bilineata* **sp. n.** Ecuador und Sta. Catharina (97), ULMER T.c., **spp. n.**

Mystacides azurea pupa (69) f. 17, *longicornis* larva, pupa and case (71–74) f. 18, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Namamyia **gen. n.** *Sericostomatidae*, *plutonis* **sp. n.** California, BANKS (10) Philadelphia Tr. Amer. ent. Soc. **32.**

†*Nannotrichopteron* **gen. n.**, *gracile* **sp. n.** Lias Mecklenburg, HANDLIRSCH (487) Fossil Ins.

†*Necrotaulius* **gen. n.**, *Necrotauliidae* fam. n., *dobbertinensis*, (483), *nanus*, *intermedius*, *similis*, *major*, (484), **spp. n.**, Lias Mecklenburg, HANDLIRSCH T.c.

Neureclipsis bimaculata larva, SILFVENIUS (124) f. 30 Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Neuronia ruficrus larva (5), *clathrata* larva (6); SILFVENIUS T.c. No. 2.—*N. lapponica* larva and pupa, SILFVENIUS (5) f. 1 T.c. No. 6.

Notanatolica and *Triplectides*, systematic position, ULMER (38–40) Ann. Biol. lacustre Bruxelles **1.**

Notidobia ciliaris larva, SILFVENIUS (10) f. 3 Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Notiomyia **gen. n.** *Leptocerides*, for *Heteroplectron mexicanum* Banks, BANKS (18) Philadelphia Tr. Amer. ent. Soc. **32.**

Notiopsyche **gen. n.**, *latipennis* **sp. n.** North Carolina, BANKS (11) T.c.

Oecetis confluens **sp. n.** Celebes, ULMER (41) Leiden Notes Mus. Jentink **28.**—*Oe. ochracea* larva and pupa (81) f. 21, *lacustris* (84), SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Oxyethira; hibernation, SILTALA Zs. wiss. Insektenbiol. **2** (356–358)—*O. incana* **sp. n.** Java, ULMER (102) Leiden Notes Mus. Jentink **28.**

†*Paratrichopteridium* **gen. n.**, *arcatum* **sp. n.** Lias Mecklenburg, HANDLIRSCH (486) Fossil. Ins.

Philopotamus montanus larva case, SILFVENIUS (119) f. 28 Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Phryganea varia larva, SILFVENIUS (13) T.c. No. 2.

Phryganeides; table for determination of larvae found in Finland, SILFVENIUS (25–28) T.c.

Phylloicus bromeliarum (Fr. Müll) **sp. n.** Brazil, ULMER (56) Leiden Notes Mus. Jentink **28.**

Plectrocnemia navasi **sp. n.** India meridionalis, ULMER (84) T.c.—*P. auriceps* North Carolina, BANKS (17) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Plectromacronema **gen. n.**, *comptum* **sp. n.** Brasilien, ULMER (63) Leiden Notes Mus. Jentink **28.**

Polycentropus carolinensis, dispar, arizonensis, N. America, BANKS (16) Philadelphia Tr. Amer. ent. Soc. **32, spp. n.**

Polymorphanisus ocularis **sp. n.** West Java, ULMER (60) Leiden Notes Mus. Jentink **28.**

†*Pseudorthophlebia* **gen. n.**, *platyptera* **sp. n.** Lias Mecklenburg, HANDLIRSCH (485) Fossil. Ins.—†*P. brodiei* England Purbeck, HANDLIRSCH (617) T.c., **sp. n.**

Pycnopsyche **gen. n.** *Limnephilides*, for *Limnephila scabripennis* Ramb., BANKS (9) Philadelphia Tr. Amer. ent. Soc. **32.**

Rhyacophila nubila larva and pupa (141–146) f. 38, *septentrionis* larva pupa and case (146–148) f. 39, SILFVENIUS Helsingfors Acta Soc. Fauna Flora Fenn. **27** No. 6.—*R. rougemonti* var. n. *sicula*, MORTON (106) Entomologist 1906.—*R. hyalinata* Colorado **sp. n.**, *coloradensis* nom. n. for *stigmatica* Banks, BANKS (10) Philadelphia Tr. Amer. ent. Soc. **32.**

Sericostoma personatum larva, SILFVENIUS (13) Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Setodes floridana Biscayne bay, BANKS (19) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Silo pallipes larva and pupa, SILFVENIUS (15) f. 4, Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Sphinctogaster nigrosoma New York **sp. n.**; *lutescens* Prov.; BANKS (12) Philadelphia Trans. Amer. ent. Soc. **32.**

Stenophylax dubius (61), *infumatus* (63), metamorphoses, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 2.—*S. kanensis* **sp. n.** Kanin-Halbinsel, MARTYNOV St. Peterburg Zap. Russ. Geogr. Obšč. **41** (267–275).—*S. parvulus* New Hampshire, BANKS (9) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Tinodes waeneri larva, SILFVENIUS (135) f. 36, Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Triaenodes bicolor larva and pupa, SILFVENIUS (74–77) f. 19, T.c.—*T. reuteri* race found in Scotland, MORTON (270) Ent. Mag. London **42.**

Triplectides gracilis (32–37), *obsoleta* and *amabilis* (37), early stages, ULMER Ann. Biol. lacustre Bruxelles **1.**

Wormaldia subnigra pupa, SILFVENIUS (120) f. 29, Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.—*W. mediana* Nicaragua, BANKS (18) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

NEUROPTERA (incl. Panorpatae).

Neuroptera. venation; MCCLENDON Ent. News **17** (116–121).

Neuroptera Danica, Planipennia, (Danish); PETERSEN Köbenhavn Ent. Medd. **3** (21–49).

Monographie der Coniopterygiden; ENDERLEIN Zool. Jahrb. Syst. **23** (173–242) 6 Taf.

Alemella **nom. n.** (208) (= *Alema* Enderl. 1905); *boliviensis* **sp. n.** Bolivia (209); ENDERLEIN T.c.

Allochrysa arizonica **sp. n.** Palmerlee, BANKS (98) Psyche **13.**

Boriomyia **gen. n.** *Hemerobiidae* type *disjunctus* Banks (36), *posticata* Utah **sp. n.** (39), BANKS Philadelphia Tr. Amer. ent. Soc. **32.**

Brachynemurus curriei **sp. n.** Texas, MCCLENDON (93) Ent. News **17.**

Calinemurus fuscus Arizona, BANKS (6) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Chauliodes punctatoguttatus (= ♀♀ *dispar* v.d. Weele) Java, *C. sundaicus* Sumatra, **spp. n.**, WEELE, (143) Leiden Notes Mus. Jentink **28.**—*C. dispar* **sp. n.** Java and Sumatra, WEELE T.c. (219).

Chrysopa vulgaris var. n. *barnolai*, *subcubitalis* var. n. *sordidata*, NAVÁS (137) Zaragoza Bol. Soc. Aragon. **5.**—*C. majuscula* nom. n. pro *erythrocephala* Banks, *injusta* nom. n. pro *marginalis* Banks, BANKS (98) Psyche **13.**—*C. marginalis, robusta*, N. America, *fascialis* Mexico, BANKS (5) Philadelphia Tr. Amer. ent. Soc. **32, spp. n.**

Coniocompsa vesiculigera Malacca **sp. n.** (224), ENDERLEIN Zool. Jahrb. Syst. **23.**

Coniopterygidae; the swedish; TULLGREN Uppsala Arkiv. Zool. **3** No. 5.

Coniopteryx reticulata Sweden, TULLGREN (14) T.c., **sp. n.**—*C. angustipennis* Paraguay (208), *biroi* New Guinea (203), *callangana* Peru (207), *maculithorax* Australia (204), *pygmaea* Berlin (201), *ralumensis* New Britain (203), **spp. n.**, *tineiformis* var. n. *transversalis* (200), ENDERLEIN Zool. Jahrb. Syst. **23.** —*C. vicina*, cocoons and young, EMERTON Psyche **13** (74–75).

Conwentzia pineticola varr. n. *furcilla* (194) *tetensi* (195), ENDERLEIN Zool. Jahrb. Syst. **23.**

Cymothales mirabilis pl. ix f. 1, *liberiensis* f. 2, KLAPÁLEK (323) Madrid Mem. Soc. esp. Hist. nat. **1.**

Dendroleon speciosum Colorado, BANKS (7) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Dicolpus bicolor Biafra, KLAPÁLEK (325) Madrid Mem. Soc. esp. Hist. Nat. **1, sp. n.**

Episperchus taeniatus G. = *impediens* Wlk.; *irideus* G. = *iniquus* Wlk.; WEELE Leiden Notes Mus. Jentink **26** (226–228).

Eremochrysa californica Santa Clara, BANKS (6) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Haplogenius fervidus and *hilaris* G. = *H. albistigma* Wlk., welcher wahrscheinlich identisch mit *Byas microcerus* Rbr. ist; *H. dentiger* G. ist *flavicornis* M. L., *maculipennis* Taschb. to *Allocormodes*, *H. vacuus* G. to *Episperches*, WEELE Leiden Notes Mus. Jentink **26** (226–228).

Helicoconis australiensis, *maculata*, Australia, (222), *pistrix* (233), *garleppi* (234), Peru, **spp. n.**, ENDERLEIN Zool. Jahrb. Syst. **23.**

Helicomitus, Mac Lachl., synonymical notes (200), *H. ctenocerus* G. = *Acheron trux* Wlk. (226–228), WEELE Leiden Notes Mus. Jentink **26.**

Hemerobiinae of Silesia and Galicia, DUGOFIELERICH Kraków Spraw. Kom. fkyogr. **39** (23–31).

Hemerobiidae; revision of N. American with catalogue, BANKS (21–51) pls. iii–v. Philadelphia Tr. Amer. ent. Soc. **32.**

Hemerobius eatoni Canary islands MORTON (147) Ent. Mag. London **42, sp. n.**—*H. simplex* Arizona, BANKS (32) Philadelphia Tr. Amer. ent. Soc., **sp. n.**

Heteroconis dahli Bismarck Arch., *ornata*, (228), *varia* (229), Australia, **spp. n.**, ENDERLEIN Zool. Jahrb. Syst. **23.**

Josandreva **gen. n.** (134) near *Croce*, *sazi* **sp. n.** Alicante (135), NAVÁS Zaragoza Bol. Soc. Aragon **5.**

Leucochrysa antennata Mexico, BANKS (5) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Lomamyia **gen. n.** *Hemerobiidae* for *flavicornis* Walk. and *texana* Banks; BANKS (28) T.c.

Mantispa perla var. nov. *brunnea*, NAVÁS (102) Madrid Bol. Soc. espan. **6.**

Maracandula bellula N. America, BANKS (7) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Megalomus minor Nevada and Nicaragua, BANKS (43) T.c.

Myrmecoleon formicarius, Lebensdauer, MEISSNER Insektenbörse Leipzig **23** (131–132); *Myrmeleo f.* larvae and pupae habits, LUCAS and CHAPMAN (53–57) cuts London Trans. ent. Soc. 1906; *Myrmeleon f.* (5) pl. i f. 5, *leucostigmatus* **sp. n.** (9) pl. i f. 4 Kamerun, WEELE Uppsala Arkiv. Zool. **3** No. 2.

Osmylus cameruensis Africa, WEELE (12) pl. i f. 1 T.c., **sp. n.**

Palpares hildebrandti, *voeltzkowi*, (139), *amitinus* (140), Madagascar, **spp. n.**, KOLBE Insektenbörse **23.**

Panorpa; prey in Britain, POULTON (402) London Trans. ent. Soc. 1906.—*P. carolinensis* N. America, BANKS (8) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**—*P. virginica* **sp. n.** N. America, BANKS (99) Psyche **13.**

Panorpodes carolinensis N. America, BANKS (8) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Parasemidalis farinosa (222), *metallica* (221), Australia, *phaeoptera* Peru (223), **spp. n.**, ENDERLEIN Zool. Jahrb. Syst. **23.**

Psammoleon guttipes **sp. n.** = (*Myrmeleon ingeniosus* Hag.) BANKS (99) Psyche **13.**

Puer pardalis G. ist vielleicht eine *Theleproctophylla*-Art, WEELE Leiden Notes Mus. Jentink **26** (226–228).

Raphidia occulta N. America, BANKS (4) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Semidalis africana Nyassa (214), *curtisiana* Berlin (212), *fülleborni* E. Africa (215), *kolbei* Chile (217) *nivosa*, *pruinosa*, *scobis*, Peru, (216), **spp. n.**, ENDERLEIN Zool. Jahrb. Syst. **23.**

Sisyra; larva with *Spongilla*; ANNANDALE (194) pl. i f. 2 Calcutta J. As. Soc. **2.**

Suphalasca placida G.=*Helicomitus immotus* Wlk., *S. rectila* G. and *bacillus* G. to *Encyoposis*, *S. euryptera* G. to *Dicolpus*, WEELE Leiden Notes Mus. Jentink **26** (226–228).—*S. floridana* **sp. n.** S. Florida, BANKS (99) Psyche **13.**

Sympherobius **gen. n.** *Hemerobiidae*, type *disjunctus* Banks, BANKS (40) Philadelphia Tr. Amer. ent. Soc. **32.**

Theleproctophylla ? *sjostedti* Kamerun, WEELE (2) pl. i f. 3 Uppsala Arkiv. Zool. **3** No. 2, **sp. n.**

Ulula praecellens G. to *Cordulecerus*, WEELE Leiden Notes Mus. Jentink **26** (226–228).

(*Croce attenuata* Charters Towers. Queensland, FROGGATT, Sydney, N.S.W. Proc. Linn Soc., **29** (675, pl 20 f. 1), sp. n.)

(*Parasemidalis* gen. n., (197), *annae*, Brandenbury, (198) sp. n. ENDERLEIN, Entomol. Ztg. Wien **24** 1905.)

(*Semidalis* gen. n., ENDERLEIN, T.c. (197–198).)

†Fossil Neuroptera.

Actinophlebia **gen. n.** for *Pterinoblattina megapolitana* Gein., HANDLIRSCH (476) Foss. Ins.

Apeirophlebia **gen. n.**, *grandis* **sp. n.** Lias Mecklenburg, HANDLIRSCH (477) T.c.

Archegetes **gen. n.** *Prohemerobiidae* (604), *neuropterorum* **sp. n.** Bayern Kalk (605), HANDLIRSCH T.c.

Brogniartiella inconditissimi Bayern Kalk, HANDLIRSCH (607) T.c., **sp. n.**

Callopanorpa **gen. n.** for *Orthophlebia bifurcata* Gieb., HANDLIRSCH (616) T.c.

Chauliodítidae fam n. for *Chauliodites* Heer and *Triadosialis*, infra.

Creagoptera **gen. n.** *Prohemorobiidae*, *schwertschlageri* **sp. n.** Bayern Kalk, HANDLIRSCH (605) T.c.

Dicranoptila **gen. n.**, *deichmulleri* **sp. n.** Bayern Kalk, HANDLIRSCH (608) T.c.

Ineptiae **gen. n.**, *meunieri* **sp. n.** Bayern Kalk, HANDLIRSCH (614) T.c.

Kalligrammidae fam. n. for *Kaligramma* Walth. and *Meioneurites*, HANDLIRSCH (610) T.c.

Meioneurites **gen. n.**, *schlosseri* **sp. n.** Bayern Kalk, HANDLIRSCH (612) T.c.

Mesochrysopa **gen. n.** *Mesochrysopidae* am. n., for *Hageniotermes zitteli* Meun., HANDLIRSCH (613) T.c.

Mesoleon **gen. n.**, *dobbertinianus* **sp. n.** Lias Mecklenburg, HANDLIRSCH (477) T.c.

Mesopanorpa **gen. n.** *Orthophlebiidae* for *Panorpa hartungi* Br., HANDLIRSCH (615) T.c.

Mesopsychopsis **gen. n.** for *Ricania hospes* Germ., HANDLIRSCH (607) T.c.

Neorthophebia **gen. n.** *Panorpata*, *maculipennis*, *minor*, (479), *debilis* (480), **spp. n.** Lias Mecklenburg, and *Orthophlebia megapolitana* Gein., HANDLIRSCH T.c.

Nymphitidae fam. n., HANDLIRSCH (608) T.c.

Nymphites lithographicus Bayern Kalk, HANDLIRSCH (609) T.c.

Orthophlebia germanica, *geinitzi*, Lias Meckenburg, HANDLIRSCH (481) T.c., **spp. n.**

Orthophlebiidae fam. n. *Panorpata*, HANDLIRSCH (479) Fossil. Ins.

Orthophlebioides **gen. n.**, *fuscipennis* (481), *limnophilus*, *reticulatus*, *latipennis* (482), **spp. n.**, Lias Mecklenburg, HANDLIRSCH T.c.

Osmylopsis **gen. n.** for *Abia duplicata* Giebel, HANDLIRSCH (614) T.c.

Palparites **gen. n.**, *deichmulleri* **sp. n.** Bayern Kalk, HANDLIRSCH (614) T.c.

Paractinophlebia **gen. n.** for *Pterinoblatta curtisii* Scudd., HANDLIRSCH (477) T.c.

Prohemerobius **gen. n.** *Prohemerobiidae* fam. n., *dilaroides*, *geinitzianus*, (474), *prodromus*, *parvulus*, *major*, *liasinus*, (475), *geinitzi* (476), **spp. n.**, Lias Mecklenburg, HANDLIRSCH T.c.

Pseudomyrmeleon **gen. n.** for *Myrmeleon extinctus* Weyenb., HANDLIRSCH (614) T.c.

Pseudopolycentropus **gen. n.** for *Phryganidium perlaeformis* Gein., HANDLIRSCH (482) T.c.

Solenoptilon **gen. n.** *Solenoptilidae* fam. n. for *Abia kochi* Gein., HANDLIRSCH (478) T.c.

Stenopanorpa **gen. n.** for *Panorpa gracilis* Gieb., HANDLIRSCH (616) T.c.

Triadosialis **gen. n.** for *Chauliodites zinkeni* Heer, HANDLIRSCH (404) Fossil. Ins.

DIPTERA.

New classification, with phylogeny, LAMEERE (105–140) Bruxelles Mem. Soc. ent. Belgique **12.**

Wing-nervuration, nomenclature of, WILLISTON Psyche **13** (154–157) cut.

Terminologie der Beborstung der Dipteren-Beine; SCHNABL Entomol. Ztg. Wien **25** 1906 (269–272).

Tables of British Diptera, with vii plates, one descriptive of the parts, WINGATE Newcastle Trans. Nat. Hist. Soc. **2** (416).

CECIDOMYIIDAE.

Cecidomyiden-Larven, endoparasitisch lebend in *Psylla*, MEYERE 's Gravenhage Tijdschr. Ent. **49** (xxi–xxii).

Cecidomyiidae on vines, RÜBSAAMEN Zs. wiss. Insektenbiol. **2** 1906 (129–137, 185–198, 225–237).

Gall (of *Rhopalomyia*?) on *Pyrethrum*, RUDNEFF Marcellia **5** (23–26).

Arthrocnodax vitis natural history, RÜBSAAMEN (234) Zs. wiss. Insektenbiol. **2.**

Asphondylia baccharis Chile, KIEFFER and HERBST (230) Bruxelles Ann. Soc. Scient. **30, sp. n.**

Bremia tecomae New York, FELT (127) Albany N.Y. Bull. St. Mus. **104, sp. n.**

Bruggmannia **gen. n.** near *Schizomyia* (81), *braziliensis* **sp. n.** Rio Grande do Sul (82), TAVARES Broteria **5.**

Cecidomyia virginiqnae (130), *sambuci* (131), New York, FELT Albany N. Y. Bull. St. Mus. **104, spp. n.**—*C. rosaria* Lw., WÜST Prakt. Bl. Pflanzenschutz **4** (49–51).

Clinodiplosis chilensis (231), *floralis* (233), Chile, KIEFFER and HERBST Bruxelles Ann. Soc. Scient. **30, spp. n.**—*C. acinorum* **sp. n.** Germany on *Vitis* (231); C. *vitis* metamorphosis and natural history (226–231); RÜBSAAMEN Zs. wiss. Insektenbiol. **2.**

Contarinia viticola Germany, RÜBSAAMEN (194) T.c., **sp. n.**—*C. torquens* Holland, injurious to cabbage, DE MEIJERE (18–24) pl. iii figs. 1–6 's Gravenhage Tijdschr. Ent. **49, sp. n.**—*C. cocciferae* ♂, TAVARES (79) Broteria **5.**

Dasyneura gardoquiae Chile, KIEFFER and HERBST (224) Bruxelles Ann. Soc. scient. **30, sp. n.**—*D. leguminicola*, WEBSTER Washington Cir. U. S. Dept. Agric. Bur. Ent. No. **69.**—*D. pseudacaciae*, FELT (125–127) figs. 34–38 Albany N.Y. Bull. St. Mus. **104.**

Janetiella acuticauda Chile, KIEFFER and HERBST (227) Bruxelles Ann. Soc. scient. **30, sp. n.**

Lasioptera carbonifera New York, FELT (116) Albany N.Y. Bull. St. Mus. **104, sp. n.**

Leptodiplosis parricida Germany, RÜBSAAMEN (233) Zs. wiss. Insektenbiol. **2, sp. n.**

Macrolabis scrophulariae Portugal, TAVARES (77) Broteria **5, sp. n.**

Mayetiola destructor, WEBSTER Washington D.C. Cir. U. S. Dept. Agric. Bur. Ent., No. **70** (1–16).

Mycodiplosis plasmoporae Germany, RÜBSAAMEN (234) Zs. wiss. Insektenbiol. **2, sp. n.**

Perrisia; larvae described, TAVARES (78, 79) Broteria **5.**—*P. rapunculi* Mayence, KIEFFER (347) Bruxelles Ann. Soc. scient. **30, sp. n.**—*P. bragançae* Portugal, TAVARES (298) Broteria **3, sp. n.**—*P. gracilicornis* Chile, KIEFFER and HERBST (225) Bruxelles Ann. Soc. scient. **30, sp. n.**—*P. crataegi*, galls, KÜSTER (44–46) Marcellia **5.**

Porricondyla (*Dicroneurus*) *argentifera* Holland, DE MEIJERE (24–28) pl. iii figs. vii–xxi 's Gravenhage Tijdschr. Ent. **49, sp. n.**

Procontarinia **gen. n.**, *matteiana* **sp. n.** Palermo on *Mangifera indica*, KIEFFER and CECCONI (135) Marcellia **5.**

Resseliella **gen. n.** *Diplosis*- Gruppe, *piceae* Idria **sp. n.**, SEITNER (174–186) Wien Verh. zool.-bot. Ges. 1906.

Rhabdophaga; table of nymphs (72–74); *R. insignis* Italy on *Salix purpurea* (70), *perforans* France on *Salix* (71), **spp. n.**; KIEFFER Marcellia **5.** — *R. nielsenii*, **sp. n.** Denmark, KIEFFER Kjöbenhavn Ent. Medd. **3** (1–4).—*R. batatus* Walsh (119–122); *R. rigidae* **sp. n.** New York (122–124); FELT Albany N.Y. Bull. St. Mus. **104.**

Rhopalomyia hispanica (295), *navasi* (296), Spain, *valerii* Setubal (299), TAVARES Broteria **3, spp. n.**

Stefaniella salsolae Spain, TAVARES (293) T.c., **sp. n.**

(*Loewiola serratulae* GOURY et GUIGNON, Feuille jeunes natural., **35**, sp. n.)

(*Schizomya gennadii* MARCHAL, Paris Bul. Soc. ent. **1904**, (272) sp. n.).

MYCETOPHILIDAE.

Macrocera striatipennis Spain, STROBL (392) Madrid Mem. Soc. esp. **3, sp. n.**—*M. fasciata*, larva, webs etc. ENSLIN Zs. wiss. Insektenbiol. **2** (251–253).

Neoglaphyroptera subtrifasciata Spain, STROBL (393) Madrid Mem. Soc. esp. **3, sp. n.**

Peyerimhoffia crassipes Digne, KIEFFER (313) Bruxelles Ann. Soc. scient. **30, sp. n.**

†*Pseudadonia* **gen. n.** for *Platyura fittoni* Brod., HANDLIRSCH (629) Fossil. Ins.

Sciara speculum (199), *trileucarthra* (200), Eritrea, BEZZI Firenze Boll. Soc. entom. **37, spp. n.**

Sciophila andreinii Eritrea, BEZZI (202) T.c., **sp. n.**

CHIRONOMIDAE.

The subfamilies, and their genera, KIEFFER (314–319) Bruxelles Ann. Soc. scient. **30.**

The genera and lists of species; KIEFFER Gen. ins. **42.**

Ablamesmyia (? same as *Isoplastus*); *A. caliptera* **sp. n.** Bitche, KIEFFER (321) Bruxelles Ann. Soc. scient. **30.**

Belgica antarctica, RÜBSDAMEN (77–83) pl. v Résult. Belgica, Zoologie.

Camptocladius foliatus Bitche, KIEFFER (334) Bruxelles Ann. Soc. scient. **30, sp. n.**

Ceratopogon alonensis (396), *quadrimaculata* (399), *multiannulatus*, *defectivus* (400), Spain, **spp. n.**, STROBL Madrid Mem. Soc. esp. **3.**—*C. mulleri* Thuringia, KIEFFER (336) Bruxelles Ann. Soc. scient. **30, sp. n.**—*C. setosicrus*, Chile, KIEFFER (357) T.c., **sp. n.**—*C. guttipennis* **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (69), f. 1.—*C. varius* (14) f. 1, *pulicaris* (15) f. 2, pl. i, AUSTEN Brit. blood-suck. flies.

Chironomus heteropus Bitche, KIEFFER (335) Bruxelles Ann. Soc. scient. **30, sp. n.**—*C. novaeguineensis* **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (69) f. 2.—*C. annularis*, oviposition; NEEDHAM (299) Science **24.**—*C.* and *Tanypus*; larvae with *Spongilla*; ANNANDALE (190–194) Calcutta J. As. Soc. **2.**

Clunio bicolor ♂ pl. iv f. 1, *marinus* ♀ f. 12, KIEFFER (4) Gen. ins. **42.**

Corynoneura bitensis Bitche, KIEFFER (328) Bruxelles Ann. Soc. Scient. **30, sp. n.**

Cricotopus polychromus Bitche, KIEFFER (328) T.c., **sp. n.**

Isoplastus johannseni Bitche, KIEFFER (323) T.c., **sp. n.**

Jacobsiella **gen. n.** for *Belgica magellanica* Jacobs, RÜBSAAMEN (83–85) pls. iv and v Résult. Belgica, Zoologie.

Metriocnemus scirpi ♂, KIEFFER (331) Bruxelles Ann. Soc. Scient. **30.**

Orthocladius brevicornis (331), *muscicola* (332), Bitche, **spp. n.**, *O. sordidellus* Zett. (333), KIEFFER T.c.—*O. thienemanni* (143), *O.* (*Psectrocladius*) *psilopterus* (144), **spp. n.**, Germany, with life-histories, KIEFFER Zs. wiss. Insektenbiol. **2** (143–156).—*O. macrorhynchus* (353), *chilensis* (354), *fissicornis* (355), Chile, KIEFFER Bruxelles Ann. Soc. scient. **30, spp. n.**

Procladius anomalus Bitche, KIEFFER (319) T.c., **sp. n.**

Protanypus **gen. n.** near *Anatopynia*, KIEFFER (318) T.c.

Psilotanypus **gen. n.** near *Procladius*, KIEFFER (318) T.c.

Tanypus septemmaculatus Bitche, KIEFFER (323) T.c., **sp. n.**—*T. signifer* **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (71) f. 3.—*T. dyari* larva, fig., MITCHELL Ent. News **17** (244–246).

Tanytarsus bilineatus Bitche, KIEFFER (330) Bruxelles Ann. Soc. Scient. **30, sp. n.**

Trichotanypus **gen. n.** near *Tanypus*, KIEFFER (319) T.c.

CULICIDAE.

Classification of *Culicidae* discussed, value of certain characters, WILLISTON (384–388) Canad. Entomol. **38.**

Classification, three subfamilies defined, DYAR Science **23** (233).

Classification of the mosquitoes of North and middle America; COQUILLETT Washington D.C. Tech. Ser. U. S. Dept. Agric. Bur. Ent. No. 11 1906 (1–31).

Larval characters and classification; CHRISTOPHERS Sci. Mem. Med. Ind. N. ser. No. **25** (1–18) 3 plates.

Studies in *Culicidae*; descriptions and key of larvae, plates of genitalia, descriptions of little known N. American forms; FELT Albany N.Y. St. Mus. Bull. **97** (442–497) plates i–xix.

Larvae; Notes on Grabham's paper last year; [DYAR] New York J. ent. Soc. **14** (110).

Notes on recently described American mosquitoes with descriptions of new species; DYAR & KNAB Washington Proc. Biol. Soc. **19** (159–172).

Alimentary canal, in stages of *Culex*; THOMPSON Boston Mass. Proc. Soc. **32** (145–202) plates xii–xvii.

Notes on the gnats and their development (Norw.), LIE-PETTERSEN Bergen Naturen **30** (129–141).

The larvae of *Culicidae* classified as independent organisms; DYAR and KNAB New York J. Ent. Soc. **14** (169–230) plates iv–xvi.

Mouth parts of mosquito larvae as indicative of habits; MITCHELL Psyche **13** 1906 (11–21).

Key to the known larvae of the mosquitoes of the United States; DYAR Washington D.C. Cir. U. S. Dept. Agric. Bur. Ent. No. **72** (1–6).

Illustrations of mosquito larvae, 24 spp.; DYAR Washington Proc. Ent. Soc. **8** (15–21) plates ii–v.

Catalogue of *Culicidae* of Africa, BEZZI (207–212) Firenze Boll. Soc. entom. **37.**

Music of some *Culicidae*; WEBER (380–382) Ent. News **17.**

Studî e ricerche etologiche; GALLI-VALERIO e ROCHAZ DE JONGH, Roma Atti Soc. studî malaria **7** 1906 (1–17).

Goeldi's "Os mosquitos no Pará." KNAB New York J. Ent. Soc. **14** 1906 (57–76).

Aëdeomyia africana Centr. Africa, NEVUE-LEMAIR (273) Arch. parasit. **10, sp. n.**

Aedes tormentor Louisiana (191), *meridionalis* Costa Rica, *philosophicus* Mexico, (195), *infirmatus* Louisiana (197), *habanicus* Cuba, *atlanticus* N. America, (198), *hemisurus* Jamaica, *euplocamus* Costa Rica, (199), *grossbecki* (201), *quaylei* (202), N. America, DYAR and KNAB New York J. Ent. Soc. **14, spp. n.**—*A. auratus* (313) with larva (315), *pertinax* (316) with larva (317), Jamaica, GRABHAM Canad. Entomol. **38, spp. n.**—*A. affirmatus* (164), *podographicus* (165), Centr. America, DYAR and KNAB Washington Proc. Biol. Soc. **19, spp. n.**

Anopheles philippinensis **sp. n.** LUDLOW, J. American Medical Assoc. **39** 1902 (426–427).—*A. vestitipennis, strigimacula, apicimacula, punctimacula*, Centr. America, DYAR and KNAB (136) Washington Proc. Biol. Soc. **19, spp. n.**—*A. occidentalis* (159), *atropos*, N. America, *bellator* Trinidad, (160), DYAR and KNAB T.c., **spp. n.**—*A. crucians*, characters amended, LUDLOW (296) Canad. Entomol. **38.**—*A. maculipennis* abondance à Lyon, CONTE et VANEY Paris C.-R. Acad. Sci. **143** (778). —*A. nigripes* (18) pl. ii, *bifurcatus* (19) pl. iii, *maculipennis* (20) pl. iv, AUSTEN Brit. blood-suck. flies.—*A. claviger*, Lebensweise, Eigenschaften, Bekämpfung, PORTSCHINSKY Trd. B. entom. učen. Kom. M. Leml. St. Peterburg **5** (1–135 + 1) mit 73 Fig.—*A.* in Seawater, VOGEL Batavia Geneesk. Tijdschr. Ned. Ind. **46** (66–85).—*A. superpictus* and Malaria in Athen, PEZOPOULO und CARDAMATI Centralbl. Bakt. Jena Abt. 1 **40** Originale 1906 (344–350) 2 Taf. and (480–495) 2 Taf.—*A.* habits Susquehanna River, WEBER (280, 281) Ent. News **17.**

Cacomyia **gen. n.**, COQUILLETT Washington Tech. Ser. U. S. Dept. Agric. Bur. Ent. **11.**

Cellia tananariviensis Madagascar, VENTRILLON (198) Bull. Mus. Paris **12**, **sp. n.**

Ceratocystia **gen. n.** for *Culex discolor* larva, DYAR and KNAB (183) New York J. Ent. Soc. **14**.

Coelodiazesis **gen. n.** for *Anopheles barberi* larva, DYAR and KNAB T.c.

Corethra; sense-organ on head, RÁDL Zool. Anz. **30** (169–170).— *C. fuliginosus* New York, FELT (458 and 496) Albany N.Y. St. Mus. Bull. **97, sp. n.**

Corethrella appendiculata **sp. n.** Jamaica, GRABHAM Ent. News **17** (343–345).

Culex; and allies, generic synonymy, cf. *Lepidoplatys*, *Lepidosia*; COQUILLETT (314) Science **23**.—On the breaking-up of the genus, COQUILLETT Science New York **23**, 1906 (312–314).—*C. neavei* (76), *rubinotus* (78), Sudan, THEOBALD Rep. Wellcome Lab. **2, spp. n.**—*C. zeltneri* (251), *somaliensis* (254), *pygmaeus* (256), *didieri* (257), Tropical Africa, NEVEU-LEMAIRE, Arch. parasitol. **10, spp. n.**—*C. cartroni* Madagascar, VENTRILLON (429) Bul. Mus. Paris 1905, **sp. n.**—*C. gigantea* (100), *neireti* (101), Madagascar, VENTRILLON Bull. Mus. Paris **12, spp. n.**—*C. rizali*, Philippines **sp. n.**, BANKS (999) Philippine J. Sci. **1**.—*C. lativittatus* **sp. n.** California, COQUILLETT (109) Ent. News **17**.—*C. frickii* Minnesota, LUDLOW (132) Canad. Entomol. **38, sp. n.**—*C. sylvicola* New Jersey, GROSSBECK (129) Canad. Entomol. **38, sp. n.**—*C. hassardii* Jamaica (167), larva (170), GRABHAM Canad. Entomol. **38, sp. n.**—*C. lactator interrogator*, (209), Centr. America *barbarus* Trinidad, *bahamensis* Bahamas, *mortificator* Costa Rica, *carmodyae* San Domingo (210), *extricator*, *declarator*, Trinidad, *proclamator* Mexico, *inquisitor* Trinidad, (211), *habilitator* San Domingo, *factor* Centr. America and Antilles, (212), *regulator* San Domingo (214), *coronator* Centr. America and Trinidad (215), *derivator*, *investigator*, Mexico, *inhibitator* San Domingo, *mutator* Mexico, (216), *elevator*, *educator*, Costa Rica, *conspirator* Mexico (217), *simulator* Trinidad, *gravitator* Mexico, *decorator* Tobago isld., (218), *lamentator* (219), *carcinophilus*, San Domingo, *daumasturus*, *vector*, Trinidad, (220), *rejector*, Mexico, *inimitabilis*, *conservator*, Trinidad, (221), *restrictor* Mexico, *divisior* Trinidad (222); DYAR and KNAB New York J. Ent. Soc. **14, spp. n.**—*C. azymus*, *basilicus consolator*, (169), *bastagarius* (170), Trinidad, DYAR and KNAB Washington Proc. Biol. Soc. **19, spp. n.**—*C. carmodyae* subspp. n. *mollis* (171), DYAR and KNAB T.c.—*C. squamiger* = (*Grabhamia de neidmanii* Ludl.), LUDLOW (132) Canad. Entomol. **38**.—*C. cantans* (24) pl. vi, *nemorosus* (25) pl. vii, *pipiens* (25) pl. viii, AUSTEN Brit. blood-suck. flies.—*C. varipalpus* Coq. = (*Taeniorhynchus sierrensis* Ludl.), the genus doubtful; LUDLOW (132) Canad. Entomol. **38**.—*C. hirsutipalpis* in Benguella, WELLMANN, (116) Entomologist 1906.—*C. curriei*, habits, oviposition, QUAYLE (4) Ent. News **17**.—*C. pipiens*, gregarious, KNAB Psyche **13** (123–133); habits, WEBER Ent. News **17** (214–217); number of eggs, DAVIS (368) Ent. News **17**.—*C. varipalpus*, larva, BLAISDELL Ent. News **17** (107–109) pl.

Culicada subcantans N. America, FELT (474) Albany N.Y. St. Mus. Bull. **97, sp. n.**—*C. canadensis*, WEBER Ent. News **17** (279–283).

Culicelsa auroides New York, FELT (449) Albany N.Y. St. Mus. Bull. **97, sp. n.**

Culiseta maccrackenae California (133), *dugesi* Mexico (134), DYAR and KNAB Washington Proc. Biol. Soc. **19, spp. n.**

Dendromyia sp. n., GRABHAM (173) Canad. Entomol. **38**.

Deinocerites cancer, larva, KNAB Psyche **13** (95–97) pl. v.

Etorleptiomyia Th. = (*Oriellia* Ludl.), LUDLOW (185) Canad. Entomol. (38).

Finlaya aranetana **sp. n.** Philippines, BANKS (1001) Philippine J. Sci. **1**.

Grabhamia nigromaculis **sp. n.** America, LUDLOW Washington George Washington Univ. Bull. **5** (83–84).—*G. de neidmannii* cf. *Culex squamiger*.

Haemagogus regalis **sp. n.** Centr. America, DYAR and KNAB (167) Washington Proc. Biol. Soc. **19**.

Howardina aureostriata Jamaica (171), larva (172), GRABHAM Canad. Entomol. **38, sp. n.**

Isostomyia **gen. n.**, COQUILLETT Washington Tech. Ser. U. S. Dept. Agric. Bur. Ent. **11.**

Jamesia **gen. n.** for *Culex concolor* and *tigripes*, CHRISTOPHERS Sci. Mem. Med. Ind. N.S. No. **25** (12).

Janthinosoma terminalis **sp. n.** N. America ?, COQUILLETT Washington Tech. Ser. U. S. Dept. Agric. Bur. Ent. **11.**—*J. sayi* nom. n. for *Culex musicus* Say (181), *J. infine* Trinidad and St. Domingo **sp. n.** (182), DYAR and KNAB New York J. Ent. Soc. **14.**—*J. indoctum* **sp. n.** Trinidad, DYAR and KNAB (161) Washington Proc. Biol. Soc. **19.**—*J. vanhalli* Surinam, *champerico* Guatemala, *coffini* Bahamas, (134), *schwarzi* Cuba, *texanum* Texas, *floridense* Florida, *toltecum* Mexico, *columbiae* N. America, *insularius* San Domingo, (135), DYAR and KNAB T.c., **spp. n.**—*J. echinata* (311) with larva (312), Jamaica, GRABHAM Canad. Entomol. **38, sp. n.**—*J. jamaicensis* larva, KNAB (96) pl. vi Psyche **13.**

Lepidoplatys **gen. n.** type *Culex squamiger*, COQUILLETT (314) Science **23.**

Lepidopia **gen. n.** type *Culex cyanescens*, COQUILLETT (314) T.c.

Lesticocampa **gen. n.** for *Joblotia lunata* larva, DYAR and KNAB (226) New York J. Ent. Soc. **14.**—*L. repax* Trinidad, *vonplesseni* Ecuador, *leucopus*, *ulopus*, Central America, DYAR and KNAB (137) Washington Proc. Biol. Soc. **19, spp. n.**

Mansonia arabica N. Arabia, GILES (130) J. trop. Medicine London **9, sp. n.**—*M.* ? *nigra* Sudan, THEOBALD (80) Rep. Wellcome Lab. **2, sp. n.**—*M. uniformis* (266-271) cuts, NEVEU-LEMAIRE Arch. parasit. **10.**

Megarhinus herrickii Mississippi, THEOBALD (241) Entomologist 1906, **sp. n.**

Melanoconion urichii Trinidad, COQUILLETT (61) Canad. Ent. **38, sp. n.**

Mochlostyrax **gen. n.** (223), *erraticus* Louisiana, *pilosus* Mexico, *caudelli* Trinidad, (224), *cubensis* Cuba (225), **spp. n.**, DYAR and KNAB New York J. Ent. Soc. **14.**—*M. floridanus* **sp. n.** N. America, DYAR and KNAB (171) Washington Proc. Biol. Soc. **19.**—*M. jamaicensis* Jamaica (318) with larva (319), GRABHAM Canad. Entomol. **38, sp. n.**

Myzomyia mangyana **sp. n.** BANKS (991) Philippine J. Sci. **1.**—*M. nili* ♂ THEOBALD (68) Rep. Wellcome Lab. **2.**

Nototricha **gen. n.**, COQUILLETT Washington Tech. Ser. U. S. Dept. Agric. Bur. Ent. **11.**

Nyssorhynchus bozasi (246–249) cuts, NEVEU-LEMAIRE Arch. parasit. **10.**

Phoniomyia homotina **sp. n.** Centr. America, DYAR and KNAB (114) Washington Proc. Biol. Soc. **19.**

Pseudoheptaphlebomyia madagascariensis Madagascar, VENTRILLON (427) Bul. Mus. Paris 1905, **sp. n.**

Psorophora virescens Centr.-America, *saeva* Trinidad, *iracunda* Costa Rica, DYAR and KNAB (133) Washington Proc. Biol. Soc. **19, spp. n.**

Pyretophorus freerae **sp. n.** Philippines, BANKS (993) Philippine J. Sci. **1.**

Quasistegomyia **gen. n.** (69), *unilineata* **sp. n.** Sudan (70), THEOBALD Rep. Wellcome Lab. **2.**

Sabethes bipartipes **sp. n.** San Domingo, DYAR and KNAB (136) Washington Proc. Biol. Soc. **19.**

Stegomyia cartroni Madagascar, VENTRILLON Bul. Mus. Paris **1906** (143–145), **sp. n.**—*S. aurostriata* (995) **sp. n.**, *fasciata persistans* n. subsp. (996), BANKS Philippine J. Sci. **1.**—*S. mediovittata*, *busckii*, San Domingo, COQUILLETT (60) Canad. Entomol. **38, spp. n.**—*S. brumpti* (261–266) cuts, NEVEU-LEMAIRE Arch. parasit. **10.**—*S. fasciata*, KNAB Science **23** (270-271).

Theobaldia alaskäensis Alaska, LUDLOW (326) Canad. Entomol. **38, sp. n.**—*T. annulata* (23) pl. v, AUSTEN Brit. blood-suck. flies.

Theobaldinella spathipalpis early stages, THEOBALD (71–73) Rep. Wellcome Lab. **2.**

Toxorhynchites argenteotarsis Philippines, LUDLOW (367) Canad. Ent. **38, sp. n.**—*T. immisericors*, habits, natural history, PAIVA Calcutta J. As. Soc. Bengal **2** (357–378).

Taeniorhynchus africanus Egypt, NEVEU-LEMAIRE (271) Arch. parasit. **10, sp. n.**—*T. palliatus* Trinidad, COQUILLETT (61) Canad. Entomol. **38, sp. n.**—*T. squamiger* habits, QUAYLE (27) Canad. Entomol. **38.**—*T. sierrensis* cf. *Culex varipalpus*.

Uranotaenia falcipes **sp. n.** Philippines, BANKS (1004) Philippine J. Sci. **1.**—*U. coatzacoalcos* Mexico (186), *continentalis* Louisiana, *coquilletti*? N. America, (187), DYAR and KNAB New York J. Ent. Soc. **14, spp. n.**—*U.* larvae, MITCHELL New York J. Ent. Soc. **14** (8–9).

Verrallina insolita Trinidad, COQUILLETT (62) Canad. Ent. **38, sp. n.**

Worcesteria **gen. n.** near *Toxorhynchites* (779), *grata* **sp. n.** Philippines (780) pl. i, BANKS Philipp. J. Sci. **1.**

Wyeomyia ochrura San Domingo (229), *aporonoma* Centr. America, *telestica* Trinidad, *autocratica* Trinidad, *hemisagnosta* Costa Rica, (230), DYAR and KNAB New York J. Ent. Soc. **14, spp. n.**—*W. vanduzeei* Florida, *bromeliarum* hab.?, *bahama* Bahamas, *violescens, minor*, Cuba, (138), *guatemala* Guatemala, *fratercula* Martinique, *sororcula* San Domingo, *pseudopecten* Trinidad, (139), *melanocephala* Trinidad, *glaucocephala* San Domingo, *adelpha* Costa Rica, *galoa, chalcocephala, celaenocephala*, Guatemala, *espartana* Costa Rica, (140), DYAR and KNAB Washington Proc. Biol. Soc. **19, spp. n.**

The following entries of Culicidae have been previously dealt with in the Zoological Record.

(Stefani (De) Perez, S. Osservazioni e notizie sui Culicidi siciliani. Naturalista sicil., Palermo, **17,** (9–13) and (43–48).)

(*Anopheles costalis*, Loew.; *gambiae*, Giles; *gracilis*, Dönitz; *A. pharœnsis*, Theob. *wellcomei*, sp. n Sudan, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1,** 1904, (64–70, with pls.).)

(*Culex cumminsii, dentatus*, sp. n; *fatigans, pallidocephala*, sp. n.; *pipiens, pusillus, spathipalpis, viridis* Sudan, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1,** 1904, (73–76, with pls.).)

(*Eretmapodites condei* Madagascar, VENTRILLON, Arch. parasit. **9,** sp. n.)

(*Etorleptiomyia*, gen. n.; *mediolineata*, sp. n. Sudan, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1,** 1904, (71–73, pls. i 9, ii 2, figs. 1, 2).)

(*Heptaphlebomyia argenteopunctata, monforti*, VENTRILLON, Arch. parasit. **9** spp. n.)

(*Mansonia major, uniformis*, Sudan. THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1,** 1904, (76–77, with pls.).)

(*Mimomyia splendens, uniformis*, sp. n. Sudan, THEOBALD, T.c. (80–81, with pls.))

(*Mucidus africanus*, THEOBALD, Khartoum, T.c. (71, pls. ii. 1, iv. 2, v. 6.).)

(*Myzomyia*; *nili*, sp. n. *M.* **n.** sp. Sudan, THEOBALD, T.c. (66–68, with pls.).)

(*Myzorhynchus paludis* Sudan, THEOBALD, Khartoum, T.c. (70).)

(*Panoplites africanus, uniformis*, Sudan, THEOBALD, T.c. (76–77 with pls.).)

(*Pyretophorus costalis*, Sudan, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1,** 1904, (70, pl. v, fig. 4).)

(*Stegomyia lamberti* Madagascar, VENTRILLON, Arch. parasit. **9,** sp. n.—*S. brumpti* NEVEU-LEMAIRE, Paris Bul. soc. zool. **30** sp. n.—*S. fasciata*, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1,** 1904, (71, pl. vi, fig. 2).)

(*Taeniorhynchus annettii*; *aurites*; *cristatus*, sp. n. *tenax*; *tenax*, var. *maculipes*, var. n. Sudan, THEOBALD, T.c. (77–79, with pls.).)

(*Theobaldia spathipalpis*, THEOBALD, T.c. (73, pl. vi. 1).)

(*Uranotaenia balfouri*, sp. n.; *caeruleocephala*; Sudan, THEOBALD, T.c. (82–83, with pls.).)

PSYCHODIDAE, TERMITOMASTIDAE.

†*Phlebotomiella* **gen. n.** (103) for *Phlebotomus tipuliformis* Meun., MEUNIER (103) Naturaliste 1906.

Phlebotomus duboscqi Soudan, NEVEU-LEMAIRE (65) Paris Bull. Soc. Zool. **31, sp. n.**

†*Psychodites* **gen. n.** for *Asiraca egertoni* and *kenngotti* Gieb. HANDLIRSCH (630) Fossil. Ins.

Termitomastidae = subfam. *Termitomastinae* von *Psychodidae*, HOLMGREN (140) Leipzig Zool. Anz. **30.**

Systematische Stellung der *Termitomastidae*, SPEISER Zool. Anz. Leipzig **30** 1906 (716–718).

(MEUNIER, Fernand. Sur un curieux *Psychodidæ* de l'ambre de la Baltique. Miscel. ent. **13,** 1905, (49–51, av. fig.).)

SIMULIIDAE.

Simulium divided into *Prosimulium* **subg. n.** and *Eusimulium* **subg. n.**, ROUBAUD (519-521) Paris C.-R. Acad. Sci. **143.**

Simulium neireti (425), *imerinae* (426), Madagascar, ROUBAUD Bul. Mus. Paris 1905, **spp. n.**—*S. rufipes* and sp. ?, Nippon, ROUBAUD, Bul. Muséum Paris, **1906** (24-27).—*S. jolyi* Nouvelles Hébrides **sp. n.** (142), *S. damnosum* distribution etc. (140); ROUBAUD Bull. Mus. Paris **12.**—*S. ignescens* (107), *riveti* (108), Equateur, *exiguum* Vénézuéla (109), ROUBAUD T.c., **spp. n.**—*S. perflavum* Brazil (518), *wellmanni* Angola (519), *beckeri* Biskra, *intermedium* Canaries (520), *victoriae* Australia, *buissoni* Marquis islands (521), ROUBAUD Bul. Mus. Paris 1906, **spp. n.** —*S. damnosum* Theob., *griseicollis* Becker, Sudan, AUSTEN Khartoum Rep. Wellcome Res. Lab. **2** (52–53). —*S. pictipes*, blood-gills of larva, HEADLEE Amer. Nat. **1906** (875–885). —*S. reptans* (29) pl. x, AUSTEN Brit. blood-suck. flies. —*S. kolumbaczensis* ravages in Hungary, NOEL (13) Naturaliste 1906.

BIBIONIDAE.

Anarete; position, species, (338–342); *rubra* Bitche (343), *lacteipennis* (345), *crassipalpis* (346), Styria, **spp. n.**, KIEFFER Bruxelles Ann. Soc. scient. **30.**

Dilophus erythraeus Eritrea, BEZZI (205) Firenze Boll. Soc. entomol. **37, sp. n.**

†*Protoplecia* **gen. n.** for *Macropeza liasina* Gein., HANDLIRSCH (466) Fossil. Ins.

BLEPHAROCERIDAE.

Curupira; occurrence, in New Zealand, pl. xlvi, CHILTON Wellington Trans. N. Zeal. Inst. **38** (277–278).

Blepharocera; the eyes, RILEY Science **24** (297).

TIPULIDAE, RHYPHIDAE, etc.

Antocha opalizans var. n. *obscura*, STROBL (412) Madrid Mem. Soc. esp. **3.**

Empeda nubila var. n. *fuscohalterata*, STROBL (413) Madrid Mem. Soc. esp. **3.**

Limnobia nigra var. n. *laufferi* (410); *L.* (*Dicranomyia*) *novemmaculata* (411) **sp. n.** Spain; STROBL T.c.—*L. triocellata* larva, JOHNSON (2) pl. i figs. 3 and 4 Psyche **13.**

Limnophila axillaris Spain, STROBL (413) Madrid Mem. Soc. esp. **3, sp. n.**

Longurio testaceus ? larva, JOHNSON (1) pl. i figs. 1 and 2 Psyche **13.**

Pachyrrhina castellana Spain, STROBL (406) Madrid Mem. Soc. esp. **3, sp. n.**

Tanypremna omissinervis **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (71) f. 4.

Tipula pseudocinerascens (408), *gibbifera* (409), Spain, **spp. n.**; *irrorata* var. n. *guadarramensis* (407); STROBL Madrid Mem. Soc. esp. **3.**—*T. nigdeensis* Asia minor, BISCHOF (172) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**—*T. dichroa* Eritrea, BEZZI (220) Firenze Boll. Soc. entom. **37, sp. n.**—*T. flavoannulata*, JACOBS (68) pl. iii f. 5 Résult Belgica, Zoologie.

Toxorrhina madagascariensis **sp. n.** du copal récent de Madagascar, MEUNIER Elbeuf Bul. soc. étud. sci. nat. **24** 1906 (97–100).

Trimicra annuliplena Eritrea, BEZZI (217) Firenze Boll. Soc. entomol. **37, sp. n.**

†Fossil *Tipulidae*, *Ptychopteridae* etc.

†*Limnophila* (*Dactylolabis*) *elegantissima* **sp. n.**, de l'ambre de la Baltique, MEUNIER Naturaliste Paris **28** 1906 (103–104).

†*Architipula* **gen. n.**, *Architipulidae* fam. n., *seebachiana*, *elegans*, (490), *latipennis*, *stigmatica*, (491), **spp. n.**, Lias Mecklenburg, HANDLIRSCH Fossil. Ins.

†*Dactylolabis elegantissima*, Baltic amber, MEUNIER (103, 104) Naturaliste 1906, **sp. n.**

†*Eolimnobia* **gen. n.**, *geinitzi* **sp. n.** Lias Mecklenburg, HANDLIRSCH (489) Fossil. Ins.

†*Eoptychoptera* **gen. n.** *Eoptychopteridae* fam. n., *simplex* **sp. n.** Lias Meckenburg, HANDLIRSCH (489) Fossil. Ins.

†*Eotipula* **gen. n.**, *parva*, (491), *lapidaria* (492), **spp. n.**, Lias Mecklenburg, HANDLIRSCH T.c.

†*Proptychoptera* **gen. n.**, *liasina* **sp. n.** Lias Mecklenburg, HANDLIRSCH (489) T.c.

†*Protipula* **gen. n.**, *crassa* **sp. n.** Lias Mecklenburg, HANDLIRSCH (491).

†*Protorhyphus* **gen. n.** *Protorhyphidae* fam. n., for *Phryganidium simplex* Gein., HANDLIRSCH (487) T.c.

STRATIOMYIDAE.

Wings of *Coenomyia*, *Evaza* etc., KERTÉSZ Ann. Hist.-nat. Hung. **4** (276) Taf. v.

Clitellaria argenteofasciata Eritrea, BEZZI (232) Firenze Boll. Soc. entom. **37, sp. n.**

Evaza, Walk., Gattung und Arten; *E. indica* Bombay **sp. n.** (289); KERTÉSZ Ann. Hist.-Nat. Hung. **4** (276–292).

Hoplodonta impar Eritraea, BEZZI (228) Firenze Boll. Soc. entom. **37, sp. n.**

Lasiopa rufitarsis Spain, STROBL (274) Madrid Mem. Soc. esp. **3, sp. n.**

Nemotelus latiusculus Lw. var. = (*cardinalii* Bezzi), *lateralis* Duf., (2), *longirostris* Wied. (7); *tomentosus* (3), *candidus* (4), Biskra, *carthaginis* Carthage (5), *oasis* Biskra (6), **spp. n.**; BECKER Zs. Hymenopter. **6.**

Odontomyia limbata, nomenclature, BECKER (10) T.c.—*O. xanthopus* (225), *poecilopoda* (227), Eritrea, BEZZI Firenze Boll. Soc. entom. **37, spp. n.**

Oxycera annulata Tunis, BECKER (11) Zs. Hymenopter. **6, sp. n.**—*O. abyssinica* Eritrea BEZZI (230) Firenze Boll. Soc. entom. **37, sp. n.**

Peritta **gen. n.** near *Odontomyia* (10), *melichlora* **sp. n.** Biskra (11), BECKER Zs. Hymenopter. **6.**

Pycnomalla splendens characters, synonymy, BECKER (8) T.c.

Sargus albopilosus **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (73).

Stratiomyia segnis Tunis, BECKER (8) Zs. Hymenopter. **6, sp. n.**

Zabrachia polita larva, JOHNSON (3) pl. i f. 8 Psyche **13.**

TABANIDAE.

List of African *Tabanidae*; BEZZI (234–241) Firenze Boll. Soc. entom. **37.**

Lebensgewohnheiten, Bekämpfung, PORTSCHINSKY Trd. B. entom. učen. Kom. M. Teml. St. Petersburg **2** (1–49) 19 Fig.

Habits and life histories of some North American *Tabanidae*; HINE Washington Tech. Ser. U. S. Dept. Agric. Ent. **12** (i–iii + 19–38).

Tabanidae of Louisiana, with a discussion of remedies and natural enemies; HINE Cameron La. Gulf Biol. Sta. Bull. No. **5** 1906 (1–43).

Chrysops; the Finland species, SAHLBERG (103–105) Helsingfors Medd. Soc. Fauna Fl. Fenn. **31.**—*C. distinctipennis* Sudan, AUSTEN, Rep. Welcome Lab. **2** (53) pl. iv, **sp. n.**—*C. coecutiens meridionalis* var. n., STROBL (277) Madrid Mem. Soc. esp. **3.**—*C.* spp., eye coloration, DAECKE Ent. News **17** (39–42) pl.—*C. caecutiens* (53) pl. xxvi, *quadrata* (54) pl. xxvii, *relicta* (55) pl. xxviii, AUSTEN Brit. blood-suck. flies.

(*Chrysops amazon*, *bistellatus*. New Jersey, DAECKE, Ent. News **16** 1905 (249–251), spp. n.)

Haematopota; revision of, based on specimens in British Museum collection; RICARDO Ann. Mag. Nat. Hist. **18** (94–127) plates iii–vi; *H. hirta* (101), *nigrescens* (103), *longa* (104), *ugandae* (105), *distincta* (106), *brunnescens* (107), *bipunctata* (108), *brunnipennis*, *unicolor*, (111), *similis* (112), Africa; *unizonata* (118), *cingalensis* (119), Ceylon, *tessellata* Trincomalee, *rubida* Burma, (120), *lata* India etc. (121), *breris* Ceylon and India (122); RICARDO T.c., **spp.n.**—*H. pulchrithorax* Sudan, AUSTEN Rep. Wellcome Lab. **2** (54) pl. v, **sp. n.**—*H. pluvialis* ♂ ♀ (35) pl. xi figs. 1 and 2, AUSTEN Brit. blood-suck. flies.

Hineia **gen. n.** *flaviceps* **sp. n.** Rhodesia, ADAMS (150) Lawrence Kan. Univ. Sci. Bull. **3.**

Holcoceria **gen. n.** near *Haematopota* (357), *nobilis* **sp. n.** Nyassa-See (358), GRÜNBERG Zool. Anz. **30.**

Melissomorpha **gen. n.** near *Apatolestes* (97), *indiana* **sp. n.** Darjeeling (98), RICARDO London Proc. Zool. Soc. 1906.

Orgizomyia **gen. n.** for *Pangonia zigzag* Macq., GRÜNBERG Zool. Anz. **30** (349).

Pangonia granatensis (277), *escalerae* (278), Spain, STROBL Madrid Mem. Soc. esp. **3, spp. n.**

Parhaematopota **gen. n.**, *cognata* **sp. n.** Ost-Afrika, GRÜNBERG Zool. Anz. **30** (360).

Tabanus ricardae Guinea (522), *obscurefumatus* Congo (523), *velutinus* Abyssinia (524), *sticticollis* (525), *chevalieri* (526), Fouta-Djalon, *rothschildi* (527), *pallidifacies* (528), SURCOUF Bul. Mus. Paris 1906, **spp. n.**—*T. tarsalis* Rhodesia, ADAMS (151) Lawrence Kan. Univ. Sci. Bull. **3**, **sp. n.**—*T. laetus* **sp. n.** Neu-Guinea, MEJIERE Nova Guinea **5** Livr. 1 (74) f. 5.

Tabanus subniger **sp. n.** Illinois, COQUILLETT (48) Ent. News **17.**—*T. appendiculatus* Guatemala (22), *fuscicostatus* Louisiana, *guatemalanus* San Jose, (24), *stenocephalus* Guatemala (27), *unistriatus* Costa Rica (28), HINE Ohio Nat. **7, spp. n.**—*T. par* Walk. = (*rufipes* Macq. = *luteolus* Loew) (56) f. 21, *ditaeniatus* Macq. = (*Atylotus nigromaculatus* Ric.) (57) f. 22, *virgatus* nom. n. for *dorsivitta* Walk. (60) f. 25, *biguttatus* Wied. = (*cerberus* Walk. = *noctis* Walk. = *tripunctifer* Walk.) (60) figs. 26 and 27, *fasciatus* Fabr. *niloticus* subsp. n (62) pl. vi, *africanus* (64) f. 28, AUSTEN Rep. Wellcome Lab. **2.** — *T. bovinus* (45) pl. xix, *sudeticus* (47) pl. xx, *autumnalis* (48) plates xxi and xxii, *bromius* (49) pl. xxiii, *maculicornis* (50) pl. xxiv, *cordiger* (51) pl. xxv, AUSTEN Brit. blood-suck. flies.—*T. quatuornotatus* oviposition young larva, LÉCAILLON Paris C.-R. soc. biol. **60** 1906 (459–460).

Thaumastocera **gen. n.** *Tabaninae*, (345), *takwa* **sp. n.** Kamerun (356), GRÜNBERG Zool. Anz. **30.**

Therioplectes micans (37) pl. xiii, *montanus* (39) pl. xiv, *luridus* (40) pl. xv, *tropicus bisignatus* (41) pl. xvi, *solstitialis* (43) pl. xvii, AUSTEN Brit. blood-suck. flies.

Thriambeutes **gen. n.** (352), *Pangoniinae*, *singularis* **sp. n.** Togo (353), GRÜNBERG Zool. Anz. **30.**

LEPTIDAE, ACANTHOMERIDAE.

Acanthomera teretruncum **sp. n.** Paraguay, also larva; FIEBRIG Zs. wiss. Insektenbiol. **2.**

Leptis algerica Aïn-Taya, BECKER (282) Zs. Hymenopter. **6, sp. n.**

Rhagio vermileo nigriventris var. n., STROBL (304) Madrid Mem. Soc. esp. **3.**

Thereva aethiopica Eritrea, BEZZI (264) Firenze Boll. Soc. entom. **37, sp. n.**

ASILIDAE, MYDAIDAE.

List of African *Asilidae*, BEZZI (267–279) Firenze Boll. Soc. entom. **37.**

Asilidae and their prey, POULTON (329–377) London Trans. ent. Soc. 1906.

Amphisbetetus **gen. n.** (131), *affinis* **sp. n.** N. Africa (132), HERMANN Zs. Hymenopter. **6.**

Ancylorrhynchus laufferi Spain, STROBL Madrid mem. Soc. esp. **3, sp. n.**—*A. gummigutta* Tangier, BECKER (366) Zs. Hymenopter. **6, sp. n.**

Asilus; Synonymie of Meigen's species, VILLENEUVE Entomol. Ztg. Wien **25** 1906 (43).

Cyrtopogon annulatus (134), *quadripunctatus* (135), Turkestan, **spp. n.**, HERRMANN Zs. Hymenopter. **6.**

Dasypogon (s.l.) *occlusus* **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (75).—*D. favillaceus* Löw, HERMANN (129) Zs. Hymenopter. **6.**

Dioctria rufa Spain, STROBL (289) Madrid Mem. Soc. esp. **3, sp. n.**—*D. ochrifacies* Tunis, BECKER (353) Zs. Hymenopter. **6, sp. n.**

Eriopogon jubatus Tangier, BECKER (367) Zs. Hymenopter. **6, sp. n.**

Heligmoneura nuda Eritrea, BEZZI (290) Firenze Boll. Soc. entom. **37, sp. n.**

Holopogon rugiventris Spain, STROBL (297) Madrid Soc. esp. **3, sp. n.**

Lagodias teratodes **sp. n.**. E. Africa, HERMANN (141) Zs. Hymenopter. **6.**

Laphria flava escorialensis var. n., STROBL (300) Madrid Mem. Soc. esp. **3.**

Laphystia hispanica Spain, STROBL (299) T.c., **sp.n.**

Leptogaster linearis (284), *latestriata* (285), Tunis, *stramineus* Algeria (286), BECKER Zs. Hymenopter. **6, spp. n.**—*L. bicingulata* Eritrea, BEZZI (279) Firenze Boll. Soc. entom. **37, sp. n.**—*L. erecta*, copal Zanzibar, MEUNIER (61) Rev. Sci. Bourbon 1906, **sp. n.**

Lophonotus leucotaenia (286), *nanus* (288), Eritrea, BEZZI Firenze Boll. Soc. entom. **37, spp. n.**

Machimus dactyliferus Spain, STROBL (301) Madrid Mem. Soc. esp. **3, sp. n.**—

M. griseus **sp. n.** Colorado, HINE (29) Ohio Nat. **7.**

Methylla Hansen (1883); **an omitted genus,** but is not distinct from *Dioctria* Meigen, BEZZI Entomol. Ztg. Wien **25** (20).

Mydas fulvifrons, sexes, *chrysostoma* is the ♀, DAECKE Ent. News **17** (347).

Neoitamus globifer Spain, STROBL (302) Madrid Mem. Soc. espan. **3, sp. n.**

Ommatius macroscelis Eritrea, BEZZI (292) Firenze Boll. Soc. entom. **37, sp. n.**

Promachus argyropus Eritrea, BEZZI (284) T.c., **sp. n.**

Promachus flasibarbis (152), *apicalis, solus*, (153), *negligens* (154), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**

Saropogon distinctus (359), *clausus* (360), *lamperti* (362), *vosseleri* (363), *latecinctus* (364), Algeria, BECKER Zs. Hymenopter. **6, spp. n.**

Scylaticus semizonatus Sahara, BECKER (365) T.c. **sp. n.**

Selidopogon crassus Macq. ♂ ♀, BECKER (355) T.c.

Sisyrnodytes niger Eritrea, BEZZI (283) Firenze Boll. Soc. entom. **37, sp. n.** —*S. major* Rhodesia, ADAMS (155) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Spanurus tellinii Eritrea, BEZZI (282) Firenze Boll. Soc. entom. **37, sp. n.**

Stilpnogaster auriannulatus **sp. n.** British Columbia, HINE (29) Ohio Nat. **7.**

Syllegomydas **gen. n.** (277), wing (353), for *Rhopalia algirica* Gerst., *Leptomydas cinctus* Macq., and *S. claripennis* **sp. n.** Tunis (279); BECKER Zs. Hymenopter. **6.**

Trichardis **gen. n.**, *testacea*, (137), *picta* (139), **spp. n.** Cape Colony, HERMANN Zs. Hymenopter. **6.**

(**Pandellé,** L. Contribution à l'étude du genre *Asilus*, Rev. ent., Caen, **24,** 1905, (44–98).)

ACROCERIDAE.

Ogcodes doddi Queensland, WANDOLLECK (131) London Trans. ent. Soc. 1906, **sp. n.**

BOMBYLIIDAE.

List of African *Bombyliidae*, BEZZI (244–254) Firenze Boll. Soc. entom. **37.**

Amictus zinamominus (155), *tener* (157), Biskra, BECKER Zs. Hymenopter. **6, spp. n.**

Anthrax perfectus (147), *inaequalis* (148), Tunis, BECKER T.c., **spp. n.**

Argyromoeba dentata Tunis (148), *sabulonis* Biskra (149), BECKER T.c., **spp. n.**

Bombylius seminiger Tunis (97), *alveolus* Biskra (99), *collaris* Tunis (100), *separatus* Oran (102), *biroi* S. Tunis (104), *gracilipes* Oran (106), *striatifrons* Sahara (108); BECKER T.c., **spp. n.**— *B. appendiculatus* Eritrea, BEZZI (255) Firenze Boll. Soc. entom. **37, sp. n.**

Dischistus eximius S. Tunis, BECKER (111) Zs. Hymenopter. **6, sp. n.**—*D. cylindricus* Eritrea BEZZI, (257) Firenze Boll. Soc. entom. **37, sp. n.**

Exoprosopa delineata Tunis (150), *arenacea* Sahara (151), *adelpha* Oran (152), *semiflavida* Tunis (274); BECKER Zs. Hymenopter. **6, spp. n.**—*E.* (*Hyperalonia*) *alula* (259), *E.* (*Lithorrhynchus*) *erythraea* (261), Eritrea, BEZZI Firenze Boll. Soc. entom. **37, spp. n.**

Mulio semiargyreus Spain, STROBL (282) Madrid Mem. Soc. esp. 3, **sp. n.**— *M. delicatus* (153), *trifarius* (154), Biskra, BECKER Zs. Hymenopter. **6, spp. n.**—*M. barbarus* Tunis, SACK (469) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Ploas bella Tunis, BECKER (112) Zs. Hymenopter. **6, sp. n.**

Psiatholasius **gen. n.** near *Dischistus*, *bombyliformis* **sp. n.** Tunis, BECKER (145) T.c.

Systropus snowi Rhodesia, ADAMS (156) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Usia; revision with following **spp. n.**; *accola* (214), *angustifrons* (212), *anus* (207), *carmelitensis* (226), *crinipes* (208), *ignorata* (225), *loewi* (219), *pallescens* (226), *putilla* (215), *vagans* (221), **spp. n.**, BECKER Berliner ent. Zs. **50** (1905) 1906 (193–228) 1 Taf.—*U. accola*,

angustifrons, (14), *ignorata* (15), Tunis, Becker Zs. Hymenopter. **6, spp. n.**—*Usia aurata* Fabr. = (*taeniolata A.* Costa), Becker, Napoli, Annuario Mus. zool. **2** No. 8.

Nemestrinidae.

Nemestrina bolivari Spain, Strobl Madrid Mem. Soc. esp. **3, sp. n.**

†*Prohirmoneura* **gen. n.**, *jurassicus* **sp. n.** Bayern Kalk, Handlirsch (633) Fossil. ins.

Empidae.

Empidae and their prey, Poulton (379–390) London Trans. ent. Soc. 1906.

Drapetis setigera dilutipes var. n., *pusilla fumipennis* var. n., Strobl Madrid Mem. Soc. esp. **3.**

Elaphropeza dispar Rhodesia, Adams (157) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**—*E. montana* Mel. to *Symballophthalmus* Melander (372) Ent. News **17.**

Empis; tables of palaearctic, Kuntze Zs. Hymenopter. **6** (209–216, 297–304). —*E. gibbipes* Spain, Strobl (308) Madrid Mem. Soc. esp. **3, sp. n.**—*E. surata* **sp.n.** Cattaro, Kuntze (159) Zs. Hymenopter. **7.** — *E. validis* Rhodesia, Adams (158) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Hesperempis **gen. n.** for *Rhagas mabelae*, Melander (377) Ent. News **17.**

Hilara palmarum (309), *almeriensis* (310), Spain, Strobl Madrid Mem. Soc. esp. **3, spp. n.**

Parathalassius aldrichi California (374), *candidatus* Washington (375), Melander Ent. News **17, spp. n.**

Prorates **gen. n.** *Hybotinae* (372), *claripennis* **sp. n.** New Mexico (373), Melander T.c.

Rhamphomyia longefilata (305), *gibbifera* (306), Spain, Strobl Madrid Mem. Soc. esp. **3, spp. n.**

Stilpon obscuripes Rhodesia, Adams (156) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**—*S. houghii* Mel. to *Chersodromia*, Melander (370) Ent. News **17.**

Syneches (*Harpamerus*) *velutinus* **sp. n.** Neu-Guinea, Meijere Nova Guinea **5** Livr. 1 (79).

Tachydromia albiseta var. n. *brunnipes* (312), *maculipes* var. n. *crassiseta* (314); *rondaensis* (316), *undulata* (317) *montserratensis* (318), *catalonica* (319), Spain, **spp. n.**; Strobl Madrid Mem. Soc. esp. **3.**

Thinodromia **gen. n.** *Tachydromiinae*, *inchoata* **sp. n.** California, Melander (370) Ent. News **17.**

Toreus **gen. n.** for *Empis neomexicana* Mel., Melander (376) T.c.

Dolichopodidae.

†Peculiarities of *Dolichopodidae* of Baltic amber, Meunier Paris C.-R. Acad. Sci. **143** (617, 618).

Agonosoma leucopygum (82) f. 8, *signatipenne* (83) f. 9, (*Psilopodinus*) *purpuratum* (84) f. 10, **spp. n.**, Neu-Guinea Meijere Nova Guinea **5** Livr. 1.

Argyra robusta Quebec, Johnson (59) Psyche **13, sp. n.**

Campsicnemus simplicissimus (323), *crinitarsis* (324), Spain, Strobl Madrid Mem. Soc. esp. **3, spp. n.**

Chrysotus xanthoprasius Eritrea, Bezzi (301) Firenze Boll. Soc. entom. **37, sp. n.**

Gymnopternus quadrifilatus Spain, Strobl (321) Madrid Mem. Soc. esp. **3, sp. n.**

Hercostomus melanolepis Eritrea, Bezzi (300) Firenze Boll. Soc. entom. **37, sp. n.**

Leucostola slossonae **sp. n.** Mt. Washington, Johnson Psyche **13** (59).

Pelastoneurus dissimilipes (= *nigrescens* Wh.) Wheeler (69) Ent. News **17.**

Rhagoneurus aethiopicus Eritrea, Bezzi (297) Firenze Boll. Soc. entom. **37, sp. n.**

Thinophilus setulipalpis Eritrea, Bezzi (302) T.c., **sp. n.**

Lonchopteridae.

Revision of palaearctic *Lonchopteridae*, with much synonymy and the following **spp. n.**, *fallax* (84) Netherlands, *strobli* (86) Austria and Italy; de Meijere 's Gravenhage Tijdschr. Ent. **49.**—*L. africana* Rhodesia, Adams (159) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

PHORIDAE, THAUMATOXENIDAE.

Account of *Phoridae*, the genera and lists of species, BRUES Gen. ins. **44** (21) 2 plates.

Aphiochaeta?, Rhodesia, ADAMS (159) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**—*A. longifrons, cavernicola*, N. America, BRUES (100) Milwaukee Bull. Wis. Nat. Hist. Soc. **4, spp. n.**

Phora papillata England WINGATE (111) Ent. Mag. London **42, sp. n.**; *P. papillata* is *lugubris* Mg., Id. T.c. (215).—*P. vitrea, luteifemorata*, (191), *sublugubris* (192), *domestica* (262), Britain, WOOD Ent. Mag. London **42, spp. n.**—*P. opaca, perennis, nigricornis*, synonymy, COLLIN (177-179) Ent. Mag. London **42.**

Puliciphora borinquenensis **sp. n.** Porto Rico, WHEELER (269) pl. xxxiv New York Bull. Amer. Mus. **22.**

Thaumatoxena andreinii Erythraea in nest of *Termes bellicosus*, SILVESTRI (356) Redia **3, sp. n.**

PLATYPEZIDAE, PIPUNCULIDAE.

Calotarsa insignis **sp. n.**, California, tarsi of others, ALDRICH Ent. News **17** (123–127) pl.

Pipunculus vitiensis **sp. n.** Rewa, MUIR (10) Honolulu Exp. Stat. Bull. **2.**—*P.*? *glabrum* Rhodesia, ADAMS (165) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**—*P. eutrichodes* **sp. n.** Queensland (494), PERKINS Honolulu Exp. Sta. Hawaiian Sug. Pl. Ass. Div. Ent. Bull. **1.**

SYRPHIDAE.

Eristalis longicornis (160), *aequalis* (161), *communis* (162), *dissimilis* (163), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**—*E. croccimaculata*, JACOBS (69) pl. iii f. 3 Résult. Belgica, Zoologie.

Melanostoma bituberculata Rhodesia, ADAMS (160) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Paragus atratus **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (85).

Pelecocera pruinosomaculata Spain, STROBL (326) Madrid Mem. Soc. esp. **3, sp. n.**

Volucella pellucida, larval habits, SUNDVIK (115–120) Helsingfors Medd. Soc. Fauna Fl. Fenn. **32.**

Xanthandrus comtus larval food and habits, CHAPMAM (14–16) Ent. Mag. London **42**; larval habits, POULTON (396) London Trans. ent. Soc. 1906.

Xylota pigra larva, JOHNSON (2) pl. i figs. 5 & 6 Psyche **13.**

(**Pandellé**, L. Note sur le *Cheilosia* de France. Rev. ent., Caen, **24**, 1905, (25–44).)

CONOPIDAE.

Das „unpaare Organ" der *Conopidae*, STREIFF Zs. wiss. Zool. Leipzig **84** 1906 (139–203) 2 Taf.

Myiopa minor Spain, STROBL (332) Madrid Mem. Soc. esp. **3, sp. n.**

Zodion vittipes Spain, STROBL (331) T.c., **sp. n.**

OESTRIDAE.

Account of *Oestridae* as subfam. *Oestrinae* of fam. *Muscaridae*; BAU Gen. ins. fasc. **43** (1–31) 2 plates.

Cephenomyia ulrichii in Ostpreussen, LÜHE (178, 179) figs. Königsberg Schr. physik. Ges. **46.**

Cuterebra cyanella **sp. n.** Nebraska, JONES (391) Ent. News **17** (391–392).

Dermatobia hominis, BARRETT (3) Washington Proc. ent. Soc. **8.**

Gastrophilus equi. haemorrhoidalis, nasalis, Vorkommen in verschiedenen Organen des Pferdes, BOLÍ KAZANÍ Zap. Veterin. Inst. **21** (378–381).

Hypoderma bovis & lineata summary of life-histories, IMMS J. econ. Biol. London **1** (74–91).

Neocuterebra **gen. n.**, *squamosa* **sp. n.** Afrika, GRÜNBERG Berlin SitzBer. Ges. natf. Freunde **1906** (36).

Oestrus ovis oviposition, COLLINGE J. econ. biol. London **1** (72–73).

Schnablia **nom. n.** for *Microcephalus* Schnabl 1877, BEZZI Zs. Hymenopter. **6** (50).

Tachinoestrus **gen. n.**, *fenestratus* **sp. n.** Afrika, GRÜNBERG Berlin SitzBer. Ges. natf. Freunde **1906** (39).

Rhinoestrus purpureus, Lebensweise, Fortpflanzung, Schaden. PORTSCHINSKY Trd. B. entom. učen. Kom. M. Zeml. **6** (1–44) 1 Taf.

MUSCIDAE CALYPTRATAE.

Affinities of *Anthomyiidae*, SCHNABL Entomol. Ztg. Wien **25** (267).

Präalarborste, value of the term, STEIN Entomol. Ztg. Wien **25** (127–128).

Parasitic fly of the domesticated silkworms, habits of; TOYAMA Tokyo Nip. Sanshi Kw. Hō **173** 1906 (1–10) pl.

(**Pandellé,** Louis. Etude sur les Muscides de France. Rev. ent., Caen, 3e Partie, **1898–1904,** (pagination spéciale, 492))

Allognota nova **sp. n.** Madagaskar STEIN (75) Berliner ent. Zs. **51.**

Anthomyia brassicae and cole in Nord-Holland; QUANJER Haarlem Nat. Verh. Holl. Maatsch. Wet. **6** (1–84) 7 Taf.—*A. conformis,* Lebensweise, Schaden etc., VASILJEV Věst. sacharn. promyšl. **6** (802–804).

Archytas hystrix, host, JOHNSON (2) Psyche **13.**

Aricia annulipes **sp. n.** Kaffraria, STEIN (33) Berliner ent. Zs. **51.**

(*Aricia marmorata* Zett. und verwandte Arten, STEIN, Entomol. Ztg. Wien **22** 1903 (269–278).)

Atherigona magnipalpis Kamerun, *nigrithorax* Togo, **spp. n.,** STEIN Berliner ent. Zs. **51** (66).

Auchmeromyia luteola, THEOBALD Khartoum Rep. Wellcome Res. Lab. **2** (85–87) fig. 42; bionomics WELLMAN Ent. News **17** (64–67).

Avihospita azurea, Auftreten im Frühjahr, MAZARAKIJ St. Peterburg Hor. Soc. Ent. Russ. **37** (xcvii–cix).

Barychaeta **nom. n.** for *Pachychaeta* Portschinsky 1882, BEZZI Zs. Hymenopter. **6** (49).

Bengalia depressa natural history, THEOBALD (83–85) f. 41, Rep. Wellcome Lab. **2.**

Beccarimyia; GRÜNBERG (83) Zool. Anz. **30.**

Caricea sexnotata, multimaculata, (205), *flavipes* (206), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**

Catharosia nigrisquama nigripes var. n., STROBL (340) Madrid Mem. Soc. esp. **3.**

Ceromasia interrupta (Macq.) Rond. = *Tachina lepida* Meig.; VILLENEUVE, Entomol. Ztg. Wien **25** (43).

Cerophora funesta Rob. Desv. Beschreibung, VILLENEUVE T.c. (286).

Chortophila anthracina (251), *sancti marci* (252), Oberösterreich, **spp. n.,** CZERNY Entomol. Ztg. Wien **25.**—*C. linearis* Rhodesia, ADAMS (206) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**—*C. unilineata* hunting habits, POULTON (xiii) London Proc. ent. Soc. 1906.

Clista lentis Meig. = (*Scopolia tricincta* Rond.), *C. foeda* Meig. synonymy, VILLENEUVE (248) Entomol. Ztg. Wien. **25.**

Coenosia humeralis, Nyassasee und Kamerun, *parvipunctata* (77), *longiseta* (78), Togo, *nitidiventris* Madagaskar (79), STEIN Berliner ent. Zs. **51, spp. n.**—*C. valida* (207), *lineata* (208), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**

Compsomyia macellaria L. dans l'Inde française, GIARD Paris Bull. Ass. franç. avanc. sci. **1905** (334–335).

Craticulina **nom. n.** for *Craticula* Pandellé 1895, BEZZI Zs. Hymenopter. **6** (49).

Cylindromyiopsis **nom. n.** for *Cylindropsis* (infra), BEZZI (144) T.c.; *Cylindropsis* **nom. n.** for *Cylindrosoma* Rondani, BEZZI T.c. (49).

Degeeria strigata Meig. = (*Brachychaeta spinigera* Rond.), VILLENEUVE (247) Entomol. Ztg. Wien **25.**

Deuterammobia **nom. n.** for *Ammobia* Van der Wulp 1869, BEZZI Zs. Hymenopter. **6** (49).

Dexia irrorata Meig. = (*Atropidomyia parvula* BB.), *D. pectinata* Meig. = (*lata* Egg.), VILLENEUVE (248) Entomol. Ztg. Wien. **25.**

Erigone and *Varichaeta,* GIRSCHNER (363) Entomol. Zeit. Wien **25.**—*E. viridescens* R. Desv. = (*Nemoraea nemorum* Meig.), VILLENEUVE (248) Entomol. Ztg. Wien **25.**

Eudoromyia **nom. n.** for *Eudora* Rob. Desv. 1863, BEZZI Zs. Hymenopter. **6** (49).

Exorista properans Rond. = (*Masicera fatua* Meig. = *M. festinans* Meig.), *E. rapida* Meig. = (*immunita* Pand.), *E. libatrix* Meig. = (*Myxoxorista grisella* BB. = *Zenillia fulva* Pand.), VILLENEUVE (247 and 248) Entomol. Ztg. Wien **25.**

Fabriciella **nom. n.** for *Fabricia* R.-Desv. 1830, BEZZI Zs. Hymenopter. 1906 (49).

Fortisia foeda = (*Leucostoma phaeoptera* Meig.), VILLENEUVE (248) Entomol. Ztg. Wien **25.**

Glossina; anatomy, GILES J. trop. Medicine London **9** (99 etc.); popular sketch, JAPHA (147–149) Königsberg Schr. physik. Ges. 46, Sitz. Ber.; breeding places, MINCHIN Nature **74** (636) and **75** (30); *Glossina* in Cameroons and Togo, GRÜNBERG (92, 93) Zool. Anz. **30**, cf. also *Glossinella*.—*G. palpalis*, CAZALBOU Paris C.-R. Acad. sci. **143** (435–437). — *Glossina palpalis wellmani* natural history; WELLMAN Ent. News **17** 1906 (294–302) pl.; habits, WELLMAN (242–244) Ann. Mag. Nat. Hist. ser. 7 **18**.

Glossinella **gen. n.** (84) near *Glossina*, *schillingsi* **sp. n.** Ostafrika (86), GRÜNBERG Zool. Anz. **30**.

Gonia atrata Asia Minor, BISCHOF (174) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Gymnodia pratensis Rob. Desv., Beschreibung, VILLENEUVE Entomol. Ztg. Wien **26** (287).

Haematobia; GRÜNBERG (81) Zool. Anz. **30**.—*H. stimulans* (59) pl. xxx f. 1, AUSTEN British blood-suck. flies.

Hebia flavipes Rob. Desv. Zugehörigkeit zu *Frontina*, VILLENEUVE Entomol. Ztg. Wien **25** (286).

Helicobosca **nom. n.** for *Theria* Rob.-Desv. 1830, BEZZI Zs. Hymenopter. **6** (49).

Hydrophoria setinervis Togo (71), *fascigera* Kamerun (72), **spp. n.**, STEIN Berliner ent. Zs. **51**.—*H. tarsata* Rhodesia, ADAMS (206) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Hydrotaea; British species described, GRIMSHAW (8–11, 72–77) Ent. Mag. London **42**.

Hypochaeta castellana Spain, STROBL (336) Madrid Mem. Soc. esp. **3, sp. n.**

Hypostena procera Meig. = (*incisuralis* Macq. = *Myobia pisciventris* Pand. = *Melanophora planigena* Pand.), VILLENEUVE (247) Entomol. Ztg. Wien **25**.

Hystricia triangulifera to *Phorocera* (70) pl. iii f. 4, JACOBS Résult. Belgica, Zoologie.

Hystrichoneura frontata Schin. = (*Myobia spreta* Meig. = Tach. *argyreata* Meig.), VILLENEUVE (247) Entomol. Ztg. Wien **25**.

Leucostoma limbata Meig. = (*Ples. nigrisquama* Zett. = *Lithophasia pygmaea* Pand.), VILLENEUVE (248) T.c.

Limnophora candicans Südfrankreich (28), *virgo* (30) Südfrankreich, **spp. n.**, VILLENEUVE Entomol. Ztg. Wien **25**.—*L. flavibasis* Kamerun, *versicolor* Madagaskar, STEIN Berliner ent. Zs. **51** (63), **spp. n.**

Limnospila Schn. and *Lispocephala* Pok., systematische Stellung, SCHNABL Entomol. Ztg. Wien **25** (267).

Lispa niveimaculata Nyassasee (68), *lateralis* Delagoabai (70), *trilineata* Ceylon (71), **spp. n.**, STEIN Berliner ent. Zs. **51**.

Lucilia; nutrition de larves, GUYÉNOT Paris C.-R. soc. biol. **61** 1906 (634–635).—*L. fasciata* and *flaviceps* Macq. to *Pycnosoma*, AUSTEN (303) Ann. Mag. Nat. Hist. **17**.—*L. bufonivora*, natural history etc., HESLE Biol. Centralbl. **26** (633–640) 1 Taf.

Lyperosia; (82), *L. minuta* Bezzi (86); GRÜNBERG Zool. Anz. **30**.—*L. thilouxi*, *longipalpis*, Sénégal, ROUBAUD (896) Paris C.-R. Soc. biol. 1906, **spp. n.**—*L. irritans* (60) pl. xxx f. 2, AUSTEN British blood-suck. flies.

Macquartia praefica Meig. = (*echinalis* + *fascicularis* Pand.), VILLENEUVE (248) Entomol. Ztg. Wien **25**.

Masicera ferruginea Meig. = (*Exorista rutila* Rond.), *M. rutila* Meig. = (*Ceromasia rufipes* BB = *Tach. vicinalis* Pand.), VILLENEUVE (247) T.c.

Medoria funesta Meig. = (*Cercomyia curvicauda* Fall.), VILLENEUVE (248) T.c.

Metopia cinerea Perris = (*Hyperecteina metopina* Schin.); VILLENEUVE Entomol. Ztg. Wien **25** (44).—*M. nasuta* = (*Phrosina argyrina* R. Desv.), VILLENEUVE (247) T.c.

Micropalpus; the european species, GIRSCHNER (364) Entomol. Ztg. Wien **25**.—*M. pentheri* Asia minor, BISCHOF (175) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Microtricha punctulata v.d. W. = (*Rondania cucullata* + *notata* R. Desv. = *Dystrixa notiventris* Pand.), VILLENEUVE (248) Entomol. Ztg. Wien. **25**.

Miltogramma tricuspis Meig. = (*strenua* Perr. = *Sphix*, *lineolata* Rond.), VILLENEUVE (247) T.c.

Morinia velox Rond. = (*Rhinomorinia sarcophagina* Schin.), *M. funebris* Meig. =

(*Hypostena medorina* Schin.), VILLENEUVE (247) T.c.

Musca remuria Walk. to *Pycnosoma*, AUSTEN (303) Ann. Mag. Nat. Hist. **17.**—*M. marginalis*, Wied.; *putoria*, Wied. Sudan, AUSTEN Khartoum Rep. Wellcome Res. Lab. **2** (66).

Mydaea pici, BUSCK (2) Washington Proc. ent. Soc. **8.**

Myobia pruinosa Meig. = (*Conogaster nubilis* Rond. BB. = *dubia* Pand.), VILLENEUVE (247) Entomol. Ztg. Wien. **25.**

Ochromyia jejuna predaceous habits, POULTON (394–396) London Trans. ent. Soc. 1906.

Paracompsomyia houghi (201), *splendida, verticalis*, (202), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**

Paramacronychia flavipalpis and *Macronychia meyer-duri*, VILLENEUVE (247) Entomol. Ztg. Wien **25.**

Parexorista papuana **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5.** Livr. **1** (87).

Pegomyia squamifera Norddeutschland and England und Frankreich, *iniqua* Preussen und England (63), *sociella* Schweden (66), *pallida* Nordeuropa (69), *incisiva* Mitteleuropa (73), *ventralis* Südeuropa (75), *caesia* Norddeutschland (78), *solitaria* Schlesien und Oesterreich und Siebenbürgen (80), *maculata* Ungarn und England, *pallipes* Norddeutschland und Holland, (89), *genupunctata* Frankreich (90), *flavisquama* Oesterr. Alpen (91), *bivittata* Frankreich und Lapland, *femorata* Steiermark und Engadin und England, (98), *minima* Preussen (100), *palpata* Pommeren (101), **spp. n.**, STEIN Entomol. Ztg. Wien **25.**—*P. winthemi* var. *obscura* nov. var. (62), *flavipes* var. n. *diluta* (71), Id. T.c.—*P. micans* **sp. n.** Kamerun, STEIN Berliner ent. Zs. **51** (73).

Peletieria ferina Zett. = (*Echinomyia paolilli* A. Costa), BEZZI Napoli Annuario Mus. zool. **2** No. 7 (1–2).

Penquistus **gen. n.** *Muscidae* (349), *cursor* **sp. n.** Chile (350), KIEFFER, Bruxelles Ann Soc. scient. **30.**

Phorbia brassicae, natural history in Minnesota; WASHBURN (1–17) pl. Rep. **11.**

Phorocera inepta Meig. = (*Zenillia alticola* Pand.), VILLENEUVE (247) Entomol. Ztg. Wien **25.**—*P. media* Rond., synonymy. characters; VILLENEUVE Entomol. Ztg. Wien **25** (43).

Polietes hirticrura, ♀ characters, WATERSTON (269, 270) Ent. Mag. London **42.**

Psalida meridiana Rond. = (*Clelia pubens* Pand.), VILLENEUVE (247) Entomol. Ztg. Wien **25.**

Pseudomintho pentheri, rufipes, Asia minor, **spp. n.**, *brevipennis* var. n. *minor*, BISCHOF (176) Wien Nat. Hist. Hof. Mus. **20, sp. n.**

Pycnosoma = (*Paracompsomyia* Hough) synonymy and components; *P. marginale* Wied. = (*Paracomps. nigripennis* Hough), *P. chloropyga* Wied. = (*Paracomps. houghi* Adams), AUSTEN (301–303) Ann. Mag. Nat. Hist. **17.**—*P. marginale* f. 29, *putorium* f. 30, AUSTEN (66) Rep. Wellcome Lab. **2.**

(*Rhynchopsilops* gen. n., *R. villosus*, Stilfserjoch, Tirol, sp. n., HENDEL, Entomol. Ztg. Wien **22**, 1903 (129–131).

Rondania cucullata and *notata* Rob. Desv., Identität mit *Microtricha punctulata* Wulp., VILLENEUVE Entomol. Ztg. Wien **25** (286).

Sarcophaga; synonymy of european, KRAMER (216, 217) Zs. Hymenopter. **6.**—*S. haematodes* Mg. = (*lusatica* Kr.), KRAMER Zs. Hymenopter. **6** (63–64).—*S. leucostylata* (343), *hispanica* (344), Spain, STROBL Madrid Mem. Soc. esp. **3, spp. n.**—*S. caridei* Argentina on *Schistocerca*, BRÈTHES (299) An. Mus. Buenos Aires **6, sp. n.**

Sarcophila magnifica and *S. carnaria* attacks on man, HAUTEFUEILLE (86–89) Amiens Bull. Soc. linn. **18.**

Senotainia rubriventris, oviposition, OSBORN Ohio Nat. **7** (38).

Siphona; parasitism on *Tipula gigantea* and *Lepidoptera*, ROUBAUD Paris C.-R. Acad. Sci. **142** (1438).

Spilogaster uliginosa var. n. *almeriensis*, STROBL (347) Madrid Mem. Soc. esp. **3.**—*S. phasiaeformis* (36), *gigas* (37, *evanescens* (39), Kamerun, *lativentris* Nyassasee (40), *albivitta* Togo, *trivittata*, (41), *fulgens* (43), Kamerun, *pectoralis* (44) Nyassasee, *setulifera* Australien, *analis*, (45), *planipalpis* (47) Kamerun, *rufina* Togo, *translucens* Madagaskar, (48), *abnormis* (49) Togo, *setigera* (50), *fuscitibia* (51), Kamerun, *fumaria* Sierra Leone (52), *unilineata* Pungo Andango,

serena, (53), *pilifemur* Nyassasee (54), *mollis, costalis,* Caffraria, (55), *mirabilis* (56) Nyassasee, *anthrax* Sierra Leone, *trimaculata* Nyasassee, (58), *maura* (59), *picea,* Kamerun, *cyanea* (60) Madagaskar, *superba* Kamerun (61), **spp. n.**, STEIN Berliner ent. Zs. **51.**—*S. quadriseta* (203), *latifrons* (204), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**

Stomoxys; anatomy, GILES J. trop. Medicine London **9** (99 etc.); internal anatomy, TULLOCH London Proc. R. soc. **B 77** (523–531).—*Stomoxys bilineata, brunnipes,* (89), *glauca* (88), *inornata* (90), *korogwensis* (88), *sellata* (90), **spp. n.**, Afrika, GRÜNBERG Zool. Anz. **30.**—*S. calcitrans,* life-history, NEWSTEAD (157–166) pl. xii J. econ. Biol. London **1**; AUSTEN (58) pl. xxix Brit. blood-suck. flies.

Tachina bella Meig. = (*Argyrophylax pupiphaga* Rond. = *T. discrepanda* Pand.); *T. aurifrons* Meig. = (*Labidogaster agilis* B B. = *Dionaea aurulans* [R.D.] Pand.); VILLENEUVE (247) Entomol. Ztg. Wien **25.**

Tachinidae; generic nomenclature, 32 cases discussed, BEZZI (50–55) Zs. Hymenopter. **6.**—*Tachinidae* reared from *Lepidoptera,* 16 spp.; MORLEY (270–274) Entomologist 1906.

Tamiclea cinerea Macq. = (*Cistogaster globula* Meig., = *Androphana grandis* S., = *Etheria pedicellata* R. D. and *grisea* Pand.); VILLENEUVE Entomol. Ztg. Wien **25** (43).

Tessarochaeta **nom. n** for *Tetrachaeta* B. et B., BEZZI Zs. Hymenopter. **6** (50).

Thryptocera crassicornis, host *Simaethis,* SAHLBERG (19) Helsingfors Medd. Soc. Fauna Fl. Fenn. **32.**

MUSCIDAE ACALYPTRATAE.

Catalogue and bibliography of the family *Ephydridae*; JONES Sacramento Univ. Calif. Publ. Bull. ent. **1** (153–198).

Acalyptrate larvae in spider cocoons, SCHWANGART (105–107) Zs. wiss. Insektenbiol. **2.**

Acrosticta bicolor **sp. n.** Texas, CRESSON (286) Philadelphia Trans. Amer. Ent. Soc. **32.**

Agromyza (*Domomyza*) *lacteifrons* (379), *andalusiaca* (380), *obscuripennis* (381), Spain, STROBL Madrid Mem. Soc. esp. **3, spp. n.**—*A. carbonaria* Zett. life-history habits, NIELSEN Zool. Jahrb. Jena Abt. f. Syst. **23** (725–738) 1 Taf.

Allometopon **gen. n.**, aff. *Heteroneurae fumipenne* **sp. n.** New Guinea, KERTÉSZ Ann. Hist.-Nat. Hung. **4** (320).

Antineura biroi (188), *kerteszi* (189), Neu-Guinea, **spp. n.**, MEIJERE Ann. Hist.-Nat. Hung. **4.**

Apterina pedestris, Auftreten im Frühjahr, MAZARAKIJ St. Peterburg Hor. Soc. Ent. Ross. **37** (xcvii–xcix).

Asteia longipennis Rhodesia, ADAMS (188) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Automola rafa **sp. n.** New Mexico, CRESSON, (282) pl. vi. f. 5, Philadelphia Trans. Amer. Ent. Soc. **32.**

Borborus marginatus (198), *gravis* (199), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**

Caenia albifacies Rhodesia, ADAMS (181) T.c., **sp. n.**

Capnoptera laufferi Spain, STROBL (363) Madrid Mem. Soc. esp. **3, sp. n.**

Ceratites capitata aux environs de Paris; GIARD Paris C.-R. Acad. sci. **143** (353–354).

Chlorops trimaculata Rhodesia, ADAMS (196) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Crassiseta tarda, scapularis, (189), *conjuncta, atricornis,* (190), *tuberculata, vulgaris,* (191), Rhodesia, ADAMS T.c., **spp. n.**

Dacus africanus Rhodesia, ADAMS (169) T.c., **sp. n.**

Desmometopa; the reputed parasitism, LUNDSTRÖM (100–104) Helsingfors Medd. Soc. Fauna Fl. Fenn. **32.**

Diastata fuscipennis Macq. to *Diplocentra,* MEIJERE (332) Zs. Hymenopter. **6.**

Diplotoxa inconstans flavipes var. n., STROBL (364) Madrid Mem. Soc. esp. **3.**

Drosophila ampelophila, natural history, experiments, CASTLE and others, Boston Mass. Proc. Amer. Ac. **41** (729–786); also CASTLE, inbreeding, crossbreeding and sterility; Science **23** (153). —*D. andalusiaca* Spain, STROBL (372) Madrid Mem. Soc. espan. **3, sp. n.**—*D. latifrons, quadrimaculata,* (182), *facialis* (183), *basilaris, flaviseta,* (184), *apicifera, mansura, palpalis,* (185), *proxima* (186), *mutabilis* (187), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**—*D. sigmoides,* habits, AINSLIE (44 Canad. Entomol. **38.**

Ephydra millbrae (155), eggs larvae and pupae (156), *cinerea* (159), California; JONES Sacramento Univ. Calif. Publ. Bull. ent. **1, spp. n.**

Euprosopia bilineata **sp. n.** Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (92) f. 14.

Eurina fuscipennis **sp. n.** Neu-Guinea, MEIJERE T.c. (97).

Euxesta minor (286), *pulchella* (287), New Mexico, CRESSON Philadelphia Trans. Amer. Ent. Soc. **32, spp. n.**

Gaurax venustus (299), *niger* (300), Oberösterreich, **spp. n.**, CZERNY Entomol. Ztg. Wien **25** (299).

Haplegis scutellaris Rhodesia, ADAMS (196) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Helomyza humilis var. n. *montserratensis*, STROBL (352) Madrid Mem. Soc. esp. **3.**

Hiatus **gen. n.** *Ortalidae* (280), *fulvipes* **sp. n.** New Mexico (281) pl. vi figs. 1–4, CRESSON Philadelphia Trans. Amer. Ent. Soc. **32.**

Hypselothyrea **gen. n.** aff. *Drosophilæ* und *Asteiae* (193), *dimidiata* Neu-Guinea, *fascipennis* Vorder Indien, (194), *brevipennis* Neu-Guinea (195), **spp. n.**, MEIJERE Ann. Hist.-Nat. Hung. **4.**

Leptomyza varipennis v. d. Wulp, zu *Oxyna*, Beschreibung; CZERNY Entomol. Ztg. Wien **25** (254–255).

Limnia maculatissima Spain, STROBL (353) Madrid Mem. Soc. esp. **3, sp. n.**

Limosina marginata Rhodesia, ADAMS (200) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Lipara lucens, die Entwicklung der Galle von, REIJNVAAN und DOCTERS VAN LEEUWEN Nijmegen Rec. Trav. Bot. Neerl. **2** 1906 (235–264) 1 Taf.

Lonchaea splendida New Zealand, BROUN (4) New Zealand Dep. Agric. Bull. **4, sp. n.**

Melanochaeta **nom. n.** for *Pachychaeta* Bezzi 1895, BEZZI Zs. Hymenopter. **6.**

Meromyza opaca Rhodesia, ADAMS (193) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

†*Micropeza prompta* Zanzibar fossil copal, MEUNIER (60) Rev. Sci. Bourbon. 1906, **sp. n.**

Milichia unicolor Kamerun, DE MEIJERE (333) Zs. Hymenopter **6, sp. n.**

Notiphila varitarsis (177), *confinis* (178), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**

Notophila varia California, JONES (153) Sacramento Univ. Calif. Publ. Bull. ent. **1, sp. n.**

Ochthera subtilis Rhodesia, ADAMS (180) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Oscinis rugosa (334), *albinervis* (335), Kamerun, DE MEIJERE Zs. Hymenopter. **6, spp. n.**—*O. polita, basilaris*, (192), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**—*O. pulchrifrons* (190), *cinerea* (191), *lutea* (192), Neu-Guinea, **spp. n.**, MEIJERE Ann. Hist.-Nat. Hung. **4.**—*O. frit*, [its course of life and its harmfulness in relation to agriculture in Denmark], ROSTRUP **2** Aarhus Meddelelser vedrörende Insektangreb paa Markafgröden 1 Jylland. **1905** (75–83).

Pachycerina vaga Rhodesia, ADAMS (172) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Pachylophus splendida (193), *proxima* (194), *varipes, fossulata*, (195), Rhodesia, ADAMS T.c., **spp. n.**

Paralimna nigripes (178), *ornatipennis*, (179), Rhodesia, ADAMS T.c., **spp. n.**

Parydra aurata San Francisco, JONES (154) Sacramento Univ. Calif. Publ. Bull. ent. **1, sp. n.**

Philocompus aeneus **sp. n.** Insel Bali (187), MEIJERE Ann. Hist.-Nat. Mus. Nat. Hung. **4.**

Physogenua bimaculata Rhodesia, ADAMS (171) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Phytomyza algeciracensis, spoliata, (383), *bistrigata* (384), Spain, STROBL Madrid Mem. Soc. esp. **3, spp. n.**—*P. geniculata*, BÖRNER Berlin Arb. biol. Anst. **5** (283–292).

Platystoma ilgunensis, pentheri, Asia minor, BISCHOF (177) Wien Ann. Nat. Hist. Hofmus. **20, spp. n.**

Psila schineri Spain, STROBL (361) Madrid Mém. Soc. esp. **3, spp. n.**

Pterocalla undulata **sp. n.** Guadalajara, CRESSON (283) Philadelphia Trans. Amer. Ent. Soc. **32.**

Pyrgota abjecta Rhodesia, ADAMS (167) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Rhodesiella **gen. n.** *Agromyzidae* (197), *tarsalis* **sp. n.** Rhodesia (198), ADAMS T.c.

Rioxa de-beauforti (94) f. 17, *nigra* (95) f. 18, **spp. n.**, Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1.

Rivellia major Rhodesia, ADAMS (168) Lawrence Kan. Univ. Sci. Bull. **3, sp.n.**

Sapromyza univittata Spain, STROBL (356) Madrid Mem. Soc. esp. 3, **sp. n.**—*S. africana* Rhodesia, ADAMS (171) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Scatophaga; prey, POULTON (393) London Trans. ent. Soc. 1906.

Scatophila curtipennis, BECKER (73) pl. iii figs. 1 & 2 Résult. Belgica, Zoologie.

Sepedon ornatifrons Rhodesia, ADAMS (166) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Sepsis astutis, delectabilis, (174), *propinquus* (175), *petulantis, rufa*, (176), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**—*S. apicalis* (168), *limbata* (169), Neu-Guinea, *plebeia* Sydney (171), *modesta* Vorder-Indien (172), *coprophila* Singapore (176), *decipiens* Neu-Guinea (177), *spectabilis* (178), *tenella* (183), Singapore, *beckeri* Vorder-Indien (185), *hirsuta* N.S. Wales (186), **spp. n.**, MEIJERE Ann. Hist.-Nat. Hung. **4.**—*S. trivittata* Bigot, *rufa* Macq., *basifera* Walk., *javanica* Meij., MEIJERE Ann. Hist.-Nat. Hung. **4.** (173–176).

Siphonellopsis **gen. n.** near *Siphonella*, *lacteibasis* **sp. n.** Spain, STROBL (366) Madrid Mem. Soc. esp. **3.**

Spilographa zoë variation of wing, GUILLIAUME (223) Bruxelles Ann. Soc. ent. Belgique **50.**

Tephritis (*Dacus*) *xanthodes* New Zealand, BROUN (3) New Zealand Dep. Agric. Bull. **4, sp. n.**

Timia punctulata (112), *protuberans* (113), *turgida*, Tibet, *monticola* Alai-Gebirge (114), *dimidiata* (115), *mellina* (116), Kaschgar, *canaliculata* Ost-turkestan (117), **spp. n.**, BECKER Entomol. Ztg. Wien **25.**

Urellia peregrina Rhodesia, ADAMS (170) Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Urophora affinis hispanica var. n, STROBL (358) Madrid Mem. Soc. esp. **3.**—*U. apollinaris* Colombia, KIEFFER (351) Bruxelles Ann. Soc. scient. **30, sp. n.**

(*Actenoptera* nom. n. für *Gymnomyza* Strobl, CZERNY, Entomol. Ztg. Wien **23** 1904 (202).)

(*Agromyza simplex* GIARD, Paris Bul. soc. ent. **1904,** (179–181).)

(*Blaesochaetophora* gen. n., für *Leia picticornis* Big., CZERNY, Entomol. Ztg. Wien **23** 1904 (206).)

(*Eyrygnathomyia* gen. n., für *Hetero myza opomyzina* Zett., CZERNY, Entomol. Ztg. Wien **23** 1904 (208).)

(*Chaetonerius* gen. n., for *Nerius inermis* Schin., HENDEL, Entomol. Ztg. Wien **22** 1903 (205).)

(*Helomyziden*, Revision, CZERNY, Entomol. Ztg. Wien **23** 1904 (199–244, 263–286 mit 1 Taf.).)

(*Helomyza setitarsis*, Süditalien, (234), *flagripes*, Schweiz, (235), *stroblii*, Steiermark, Ungarn, (241), *oldenbergii*, Deutschland, Ungarn, CZERNY, Entomol. Ztg. Wien **23** 1904 spp. n.—*Helomyza crinimana* nom. n. für *H. obscuriventris* Strobl *H. pilimana* Rond. CZERNY, Entomol. Ztg. Wien **23** 1904 (277).)

(*Milichinae*, Systematik, HENDEL, Entomol. Ztg. Wien **22** 1903 (249–252).)

(*Neoalticomerus* gen. n. *Agromyzinarum*, HENDEL, T.c. (252).)

(*Neotanypeza* subgen. n. *Tanypeza*, HENDEL, T.c. (203).)

(*Odinia* R.D., Gattungscharaktere, HENDEL, T.c. (252).)

(*Rhynchomilichia* gen. n. HENDEL, T.c. (250).)

(*Stenoporomyia* gen. n. HENDEL, T.c. (250).)

(*Tanypezinae* nov. sect. *Ortalinarum*, HENDEL, T.c. (205).)

PUPIPARA.

Hippobosca camelina, francilloni, maculata, Theobald (90–92) pl. x Rep.

Wellcome Lab. **2.**—*H. equina* (63) pl. xxxi, AUSTEN British blood-suck-flies.

Lipoptena cervi varr., LÜHE Königsberg Schr. physik. Ges. **46**; ♂ pl. xxxiii, ♀ pl. xxxiv f. 1, AUSTEN (65) British blood-suck. flies. — *L. ibicis* Sudan, THEOBALD (88) Rep. Wellcome Lab. **2, sp. n.**

Melophagus ovinus (67) pl. xxxiv f. 2, AUSTEN British blook-suck. flies.

Nycteribia on *Pteropus medius*, FLETCHER (36) Spolia zeylan. **4.**

Ornithomyia avicularia (64) pl. xxxii, AUSTEN British blood-suck. flies.

†INCERTAE SEDIS.

†Fossil Diptera of the Lias; HANDLIRSCH (487–492) Fossil. Ins.

†Of the Jura, id. (628–634).

Such of these fossils as are referred to their families are recorded by us therein; the following are Incertae sedis :—

†*Bibionites* **gen. n.** for *Macropeza prisca* Brod., HANDLIRSCH (631).

†*Chironomopsis* **gen. n.** for *Chironomus arrogans* Gieb. and *extinctus* Brod., HANDLIRSCH (632).

†*Polyclona* Menge 1856, in amber, probably *Dipteron*, not a *Coccid*; COCKERELL (35), Washington D.C. Proc. ent. Soc. **8.**

†*Pseudosimulium* **gen. n.** for *Simulium humidum* Brod., HANDLIRSCH (631) T.c.

†*Sciophilopsis* **gen. n.**, *brodiei* **sp. n.** Purbeck England, HANDLIRSCH (632) T.c.

APHANIPTERA, or SIPHONAPTERA.

Revue systématique des Aphaniptères décrits jusqu'en 1904, (Russ), WAGNER St. Peterburg Hor. Soc. Ent. Ross. **37** 1906 (439–471) Taf. ii.

Synonymy of Siphonaptera; OUDEMANS 's Gravenhage Ent. Ber. Ned. Ver. **2** 1906 (73–77).

Generic synonymy; OUDEMANS (131–134) Ent. Ber. Nederland **2.**

Wagner's Nebenborstentheorie, OUDEMANS 's Gravenhage Tijdschr. Ent. **49** Versl. (liii).

Aphaniptera on *Mus rattus* and *Mus decumanus* in different parts of the world, ROTHSCHILD (483–485) J. Hygiene **6.**

Fleas and their hosts in Scotland, WATERSTON (211–214) Ann. Scot. Nat. Hist. 1906.

Notizen über Suctoria III; OUDEMANS (Holländisch) 's Gravenhage Ber. Ned. Ent. Ver. **2** 1906 (101–105).

Argopsylla End. is synonym of *Echidnophaga*, JORDAN and ROTHSCHILD (43) Liverpool Thompson Yates Lab. Rep. **7.**

Ceratophyllus and *Ceratopsyllus* nomenclat. note, JORDAN and ROTHSCHILD (176) Nov. Zool. Tring **13.**—*C. insularis* England, N. C. ROTHSCHILD (59) pl. ii Ent. Mag. London **42, sp. n.**—*C. isidori* Weyenb. to *Ischnopsyllus*, JORDAN and ROTHSCHILD (177) Nov. Zool. Tring **13.**

Ceratopsyllus crosbyi queried, ROTHSCHILD (187) Nov. Zool. Tring **13.**

Chaetopsylla homoeus (222), *lasius* (223), Centr. asia, ROTHSCHILD Ent. Mag. London **42, spp. n.**—*C. setosus* Canada, ROTHSCHILD (321) Canad. Entomol. **38, sp. n.**

Ctenocephalus felis = (*parviceps* Weyenb.), variation; ROTHSCHILD and JORDAN (175) Nov. Zool. Tring **13.**

Ctenopsyllus selenis (322), *hamifer* (324), Canada, ROTHSCHILD Canad. Entomol. **38, spp. n.**

Dermatophilus, *Rhynchoprion* discussed as names, JORDAN and ROTHSCHILD (170) Nov. Zool. Tring **13.**

Echidnophaga macronychia Australia (45) pl. i figs. 7, 8 etc., *bradyta* (47), *larina* (49), *aethiops* (51), S. Africa, *liopus* W. Australia (56); JORDAN and ROTHSCHILD Liverpool Thompson Yates Lab. Rep. **7, spp. n.**

Hectopsylla coniger Bolivia (59), *broscus* Argentina (60), JORDAN and ROTHSCHILD T.c., **spp. n.**—*H. psittaci* Frauenf. = (*testudo* Weyenb.), JORDAN and ROTHSCHILD (171) Nov. Zool. Tring **13.**

Ischnopsyllus = (*Ceratopsyllus*), JORDAN and ROTHSCHILD (176) Nov. Zool. Tring **13.**—*Ischnopsylla*; Arten, OUDEMANS 's Gravenhage Tijdschr. Ent. **49** (l–lix).—*Ischnopsyllus simplex* (= *octactena* Wagn.) Europe, (186), *gestroi* Italy (187), ROTHSCHILD Nov. Zool. Tring **13, spp. n.**

Malacopsylla Weyenb. = (*Megapsylla* Baker); *grossiventris* Weyenb. = (*androcli* Rothsch. = *tolypeutis* End.); JORDAN and ROTHSCHILD (171–173) Nov. Zool. Tring **13.**

Nycteridopsylla **gen. n.** für *Ceratopsyllus pentactenus* Kol., *bouchei* nom. n. für *vespertilionis* Bouché, OUDEMANS 's Gravenhage Tijdschr. Ent. **49** Versl. (lviii).

Pulex chersinus Khartoum on *Jaculus*, ROTHSCHILD (75) pl. iv Entomologist 1906, **sp. n.**—*P. cheopis*, anatomy, ROTHSCHILD J. Hygiene **6** (486–495) pl. ix.—*P. cavicola* Weyenb. = (*concitus* Rothsch.), ROTHSCHILD and JORDAN (174) Nov. Zool. Tring **13.**

Pygiopsylla **gen. n.** type *Ceratophyllus hilli* Rothsch., *colossus* **sp. n.** Tasmania; ROTHSCHILD (221) Ent. Mag. London **42.**

Rhopalopsyllus Baker, validity doubtful, JORDAN and ROTHSCHILD (173, 174) Nov. Zool. Tring **13.**

Sarcopsyllidae, revision, JORDAN and ROTHSCHILD Liverpool Thompson Yates Lab. Rep. **7** (15–72) 4 plates, includes many observations on the morphology and taxonomy of *Aphaniptora* generally.

Trichopsylla cuspidata Kol., Synonyme von *Ctenocephalus erinaceus* (Bouché), OUDEMANS 's Gravenhage Tijdschr. Ent. **49** (l–lix).

Vermipsylla; Uebersicht der Arten, WAGNER St. Peterburg Hor. Soc. Ent. Ross. **37** (349–471) Taf. ii.

(*Ceratophyllus rothschildi*, N. S. Wales (on *Dasyurus maculatus*. Kerr,) RAINBOW. Sydney, N.S.W., Rec. Austr. Mus. **6** (103, figg.) sp. n.)

(*Ctenopsyllus musculi*, Duges. (Now recorded from Australia), RAINBOW. Sydney, N.S.W., Rec. Austr. Mus. **6** (109).)

HEMIPTERA.

The genera of Hemiptera, 1758–1843, KIRKALDY (253–257) Entomologist 1906 (concluded).

On Kirkaldy's recent alterations of nomenclature, criticism, BERGROTH (8–12) Entomol. Ztg. Wien **25.**

Conorrhyncha Bredd. and Börn. belongs to *Diptera*, not *Hemiptera;* SILVESTRI (350) Redia **3.**

Heteroptera.

Catalogue of the genera of *Pagiopoda*, (*Anthocoridae* to *Notonectidae*) with types of genera, KIRKALDY Philadelphia Pa. Trans. Amer. ent. Soc. **32** (117–153).

Prey of *Hemiptera* in Britain, POULTON (403–408) London Trans. ent. Soc. 1906.

Spermatogenesis, *Heteroptera*, with new nomenclature; MONTGOMERY Philadelphia Pa. Trans. Amer. Phil. Soc. **21** (97–173).

PENTATOMIDAE.

Apparat zum Oeffnen der Eischale bei den Pentatomiden; HEYMONS Zs. wiss. Insektenbiol. Husum **2** 1906 (73–82).

Aednulus **gen. n.**, *podopoides* **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (40–41).

Aednus ellipticus **sp. n.** Celebes, BREDDIN (39) T.c.

Aenaria Stål; Diagnose, BERGROTH Entomol. Ztg. Wien **25** (2).

Allportia **gen. n.** for *Platycoris scutellatus* van Duzee, SCHOUTEDEN (140) Bruxelles Ann. Soc. ent. Belgique **50.**

Anchises proximus New Pommerania, SCHOUTEDEN (139) T.c., **sp. n.**

Antestia atrosignata S. Africa, DISTANT (287) Ann. Mag. Nat. Hist. **18, sp. n.**—*A. laevigata, pauperata*, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (54–55).

Aphylum **gen. n.** (644), *syntheticum* **sp. n.** Australien (646), BERGROTH Zool. Anz. **29** (646).—*A. bergrothi* Australia, SCHOUTEDEN (215) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*A. bergrothi* pl. i figs. 1 and 2, *syntheticum*, SCHOUTEDEN Gen. Ins. fasc. **47.**

Aurungabada **gen. n.** *Tessaratominae, singularis* **sp. n.** Bombay, DISTANT (408) Bruxelles Ann. Soc. ent. Belgique **50.**

Bathycoelia thalassina, early stages, SCHOUTEDEN Zs. wiss. Insektenbiol. **2** (82–88).

Byrsinus discus **sp. n.** W. Asia, und Uebersicht der russisch-asiatischen Arten, JAKOVLEV Rev. russ. ent. **6** (52).

Calliphara nitidissima New Guinea, SCHOUTEDEN (138) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Cantao pulcher Queensland, SCHOUTEDEN (137) T.c., **sp. n.**

Carbula munda **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (45).

Catadipson sus **sp. n.** Togo, BREDDIN Entomol. Ztg. Wien **25** (198).

Cazira fruhstorferi **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (59).

Coryzorrhaphis superba **sp. n.** Peru, BREDDIN Entomol. Ztg. Wien **25** (196).

Cuspicona nigra **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (56).

Dalpada hilaris **sp. n.** Celebes, BREDDIN T.c. (38).—*D. silvatica* (256), *punctulata* (257), Madagascar, BERGROTH Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Dendrocoris (*Liotropis*) *schaefferi* **sp. n.** Texas, BARBER (262) Brooklyn Mus. Bull. **1.**

Dinidor strigatus Walk., Identität mit *Empicoris lineatus* Dall., BERGROTH Entomol. Ztg. Wien **25** (1).

Dorycoris rutherfordi, DISTANT (286) Ann. Mag. Nat. Hist. **18.**

Elasmostethus minor Horv., ROYER Paris Bull. soc. ent. **1906** (287–288).

Empicoris lineatus Dall. = (*hiulcus* Bergr.), BERGROTH, Entomol. Ztg. Wien **25** (1).

Euaenaria jucunda Bredd., zu *Aenaria*, BREDDIN Entomol. Ztg. Wien **25** (246).

Eusarcoris modestus Ceylon, DISTANT (406) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*E. decoratulus* **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (44). —*E. distinctus* Australia, SCHOUTEDEN (142) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Euschistus bovillus Dist., Zugehörigkeit zu *Mormidea*, BERGROTH Entomol. Ztg. Wien **25** (2).

Galedanta compastoides **sp. n.** Manaos, BREDDIN Entomol. Ztg. Wien **25** (192).

Geocrypha **gen. n.** *Scutellerinae* (254), *scabra* **sp. n.** Madagascar (255), BERGROTH Bruxelles Ann. Soc. ent. Belgique **50.**

Halyomorpha viridinigra **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (43).

Halys simplinervis Madagascar, BERGROTH (258) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Hermolaus swierstrae Transvaal, DISTANT (288) Ann. Mag. Nat. Hist. **18, sp. n.**

Hippotiscus **nom. n.** for *Plexippus* Stål (= *Hippota* Bergr.); BERGROTH Entomol. Ztg. Wien **25** (2).

Hoplodistera validicornis **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (48).

Kahlamba **gen. n.** near *Malgassus* (288), *typica* **sp. n.** Natal (289), DISTANT Ann. Mag. Nat. Hist. **18.**

Lagynotomus **gen. n.** für *Aenaria assimulans* Dist., BREDDIN Entomol. Ztg. Wien **25** (245).

Macroscytus celebensis **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (36).

Megymenum rectangulatum **sp. n.** Celebes, BREDDIN T.c. (63).

Menestheus semoni Horv. zu *Paramenestheus* Bredd., BERGROTH Entomol. Ztg. Wien **25** (2).

Menida cingalensis, *wellawayae*, Ceylon, DISTANT (407) Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Mustha morgani, *gigantea*, Persia, HORVÁTH Bul. Mus. Paris 1906 (515), **spp. n.**

Nesagaeus **gen. n.** *Halyinae* (260), *hamulatus* **sp. n.** Madagascar (261), BERGROTH Bruxelles Ann. Soc. ent. Belgique **50.**

Nesobius **gen. n.** *Halyinae*, *albescens* **sp. n.** Madagascar, BERGROTH (264) T.c.

Nezara nigropicta **sp. n.** Manaos, BREDDIN Entomol. Ztg. Wien **25** (193).

Niphe praecursor **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (42).

Novatilla Dist., Zugehörigkeit zu *Anaxilaus* Stål, BERGROTH Entomol. Ztg. Wien **25** (3).

Odontotarsus; Monographia (463–483) 2 fig.; *concinnus* Biskra (476), *plicatulus* Syria (482), **spp. n.**; *rufescens* var. n. *vittiger* (479), *purpureo-lineatus* varr. n. *obsoletus* and *decolor* (474), *impictus* var. n. *mendax* (477); HORVÁTH Ann. Hist.-nat. Hung. **4.**

Oncacontias vittatus = (*brunneipennis* Bredd.), BERGROTH (3) Entomol. Ztg. Wien **25.**

Pachycoris nitidiventris **sp. n.** Costa Rica (190); *P. torridus* varr. n. *moestissima* and *laetissima* (191); BREDDIN Entomol. Ztg. Wien **25.**

Peltocopta **nom. n.** for *Coptopelta*, BERGROTH (40) Wien ent. Zeit. 1904.

Peribalus fissiceps Asia Minor, HORVÁTH (180) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Philia fenestrata **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (35). —*P. leucochalcea* Bredd., Identität mit *Ph. regia* Bergr., BERGROTH Entomol. Ztg. Wien **25** (1).

Placosternum bos Ceylon, DISTANT (406) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Podisus maculiventris, natural history, variation, MORRILL Washington Bull. U. S. Dept. Agric. Bur. Ent. No. **60** (155–161).

Poecilometis uniformis New South Wales, SCHOUTEDEN (139) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Prionocompastes nigriventris **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (57).

Proctophantasta forficuloides Ceylon, DISTANT (409) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Pseudostollia **gen. n.**, BREDDIN Halle Abh. natf. Ges. **24** (65).

Pygoplatys celebensis **sp. n.** Celebes, BREDDIN T.c. (62).

Roebournea **gen. n.** for *Phyllocephala tumidifrons* van Duzee, SCHOUTEDEN (144) Bruxelles Ann. Soc. ent. Belgique **50.**

Sabaeus sarasinorum **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (49).

Sastragala tristicta **sp. n.** Celebes, BREDDIN T.c. (64).

Sepina conjungens Comoro Ins., BERGROTH (197) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Sepontia australis Queensland, SCHOUTEDEN (142) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Serbana **gen. n.** *Phloeinae, borneensis* **sp. n.** Borneo, DISTANT (405) Bruxelles Ann. Soc. ent. Belgique **50.**

Stiretrus bifrenatus **sp. n.** Ecuador, BREDDIN Entomol. Ztg. Wien **25** (194).

Tessaratoma rubida **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (61). —*T. spinipes* E. Africa, BERGROTH (196) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Testrica distincta, no locality, SCHOUTEDEN (138) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Zangiola **gen. n.**, *nitida, punctulata*, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (51-53).

Zangis igno'a New Guinea, SCHOUTEDEN (141) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Zaplutus brevispinis Madagascar, BERGROTH (265) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*Z. liturifer* Walk. (as *Dalapada*) = (*madagascariensis* Fall.), SCHOUTEDEN (252) Bruxelles Ann. Soc. ent. Belgique **50.**

The following entries of Pentatomidae have previously appeared in the Zoological Record:—

(*Aspavia brunnea* Sign., Synonymie, SCHOUTEDEN, Entomol. Ztg. Wien **24** 1905 (51).)

(*Caenomorpha crassa* Dist., Synonymie, SCHOUTEDEN, T.c. (51)).

(*Catacanthus reuteri* Madagaskar, SCHOUTEDEN, T.c. (51) sp. n.)

(*Chipatula splendidula* nom. n. SCHOUTEDEN, T.c. (51).)

(*Dalsira gelei* nom. n. fur *Schismatops gelei* Dist., *albopunctulata* Bergr. var. n. *pallida* Kongo, SCHOUTEDEN, T.c. (55).)

(*Garsauria haglundiana* nom. n. fur *G. haglundi* Schout. nec. Bergr., SCHOUTEDEN, T.c. (51).)

(*Lerida* Karsch, Synonymie, SCHOUTEDEN, T.c. (51).)

(*Lobopeltista* nom. n. fur *Lobopelta* Schout., SCHOUTEDEN, T.c. (55).)

(*Menuthias* Kirk., Zugehörigkeit zu *Lerida* Karsch, SCHOUTEDEN, T.c. (51).)

(*Montandonista* nom. n. fur *Montandoniella* Schout., SCHOUTEDEN, T.c. (51).

(*Nezara emmerezi* Mauritius, (52), *soror*, Madagascar, (53), *congo*, Kongo, (54), spp. nn. SCHOUTEDEN, T.c.)

(*Schizops icterica* Gerst., Zugehörigkeit zu *Dalsira*, SCHOUTEDEN, T.c. (55).)

(*Storthogaster junodi* Dist. var. n. *rikatlensis*, Mozambique, SCHOUTEDEN, T.c. (55).)

COREIDAE.

Agraphopus brevicollis **sp. n.** Madagascar, BERGROTH Entomol. Ztg. Wien **25** (18).

Alydus setosus **sp. n.** Arizona, VAN DUZEE (386) Ent. News **17.**

Brachylybas laticeps New Guinea, BREDDIN (47) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Cletus robustior **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (73).

Colpura breddini **sp. n.** Java, BERGROTH Entomol. Ztg. Wien **25** (12).—*C. guttatipes*, *conspersipes*, *roratipes*, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (68–70).—*C. terebrans* Assam (50), *C.* (*Microcolpura*) *pacalis* Borneo (51), *speculigera* (52), *humilis*, *C.* (*Eucolpura*) *dolens*, (53), Sumatra, BREDDIN Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Corizus zebraicus Borneo, DISTANT (409) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Esperanza **gen. n.** near *Cydamus* (269), *texana* **sp. n.** Texas (270), BARBER Brooklyn Mus. Bull., **1.**

Hyocephalus **gen. n.** (647), *aprugnus* **sp. n.** (648) Australien, BERGROTH Zool. Anz. **29.**

Leptoglossus phyllopus method of feeding, GIRAULT Ent. News **17** (382–383).

Leptoscelis bisbimaculata **sp. n.** Costa Rica, BREDDIN Entomol. Ztg. Wien **25** (200).

Narnia snowi Arizona (384), *wilsoni* California (385), VAN DUZEE Ent. News **17, spp. n.**

Notobitus celebenis **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (67).

Pephricus fryi Transvaal, DISTANT (289) Ann. Mag. Nat. Hist. **18, sp. n.**

Petillia tristis **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (66).

Rhombolaparus **gen. n.** *Brachytaria* (17), *tardigradus* Madagascar **sp. n.** (18), BERGROTH Entomol. Ztg. Wien **25.**

Riptortus horvathi **nom. n.** für *R. serripes* Horv., BERGROTH Entomol. Ztg. Wien **25** (4).

Stenocolpura nugax Java, BREDDIN (55) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Typhlocolpura inops (56), *egena* (57), Java, BREDDIN Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

(*Colobasiastes* gen. n., (246), *krügeri*, Java (245), *albipes*, *nigrifrous*, Bolivia, (247) spp. n., BREDDIN, Entomol. Ztg. Wien **22** 1903 (246).)

(*Lybindus subvittatus* BERGROTH, Rev. ent. Caen **24** 1905 sp. n.)

(*Savius bergi* BERGROTH, Rev. ent. Caen **24** 1905 sp. n.)

LYGAEIDAE.

Agunga **gen. n.** near *Apollonius*, *crassa* **sp. n.** Ceylon, DISTANT (413) Bruxelles Ann. Soc. ent. Belgique **50.**

Aphanus hewitti, *raja*, Borneo, DISTANT (415) T.c., **spp. n.**

Arocatus continctus Ceylon, DISTANT (410) T.c., **sp. n.**

Aspilogeton **gen. n.**, *nubicola* **sp. n** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (78–79).

Blissus leucopterus, SANDERSON Ent. News **17** (361–366).

Budaeus Dist., eine unbestimmbare Larvengattung, BERGROTH Entomol. Ztg. Wien **25** (4).

Callistonotus **gen. n.** near *Aphanus* for *Rhyparochromus nigroruber* Stål, HORVÁTH (182) Wien Ann. Nat. Hist. Hofmus. **20.**

Coracodrymus **gen. n.**, *muscicola* **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (80–81).

Critobulus Dist., unbestimmbare Larvengattung, BERGROTH Entomol. Ztg. Wien **25** (4).

Dieuches nudipes Ceylon & Java (325), *horni* (326), *villosulus* (327), Ceylon, *kreyenbergi* China (328), *jacobsoni* Java (329), *schultheissi* Sumatra (330), **spp. n.**, BREDDIN Stettiner ent. Ztg. **67**.

Dindymus rubiginosus var. n. *geniculatus* Celebes, BREDDIN Halle Abh. natf. Ges. **24**.

Dinomachus rhacinus (410), *nitidiusculus* (411), Ceylon, DISTANT Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Dyakana **gen. n.** for *Lygaeus dissimilis* Walk., DISTANT (412) T.c.

Eremocoris obscurus **sp. n.** Vancouver, VAN DUZEE (388) Ent. News **17**.

Kanigara **gen. n.** near *Aphanus* (414), *flavomarginata* **sp. n.** Ceylon (415), DISTANT t.c.

Laxamana **gen. n.** near *Narbo*, *typicalis* **sp. n.** Borneo, DISTANT (416) Bruxelles Ann. Soc. ent. Belgique **50**.

Ligyrocoris pseudoheraeus **sp. n.** Texas, BARBER (275) Brooklyn Mus. Bull. **1**.

Lygaeus hospes var. n. *celebensis*, BREDDIN Halle Abh. natf. Ges. **24**.—*L. militaris* Sudan, THEOBALD Khartoum Rep. Wellcome Res. Lab. **2** (95–96).

Mahisa **gen. n.** *Cleradaria* (412), *ceromatica* **sp n.** Ceylon (413), DISTANT Bruxelles Ann. Soc. ent. Belgique **50**.

Masoas **gen. n.** *Heterogastrinae*, *transvaalensis* **sp. n.** Pretoria; DISTANT (290) Ann. Mag. Nat. Hist. **18**.

Oxycarenus dudgeoni, *gossipinus*, Sierra Leone, DISTANT (269) Entomologist 1906, **spp. n.**—*O. lavaterae*, abundance at Lago Maggiore, G. S. SAUNDERS (215) Ent. Mag. London **42**.

Perigines similis **sp. n.** Texas, BARBER (276) Brooklyn Mus. Bull. **1**.

Peritrechus tristis **sp. n.** Vancouver, VAN DUZEE (388) Ent. News **17**.

Plinthisus lativentris Irkutsk (274), *afer* with var. *kilimensis* Africa orient. (275), **spp. n.**, HORVÁTH Ann. Hist.-Nat. Hung. **4**.—*P. lativentris* Sibérie (274), *afer* Afrique orient. allemande, (275), **spp. n.**, HORVÁTH Ann. Hist.-Nat. Hung. **4**.

Plociomera ohlini Hagl., Identität mit *Bergidia polychroma* Spin., BERGROTH Entomol. Ztg. Wien **25** (4).

Salaciola **gen. n.** near *Sinierus*, *nana* Madagascar **sp. n.**, BERGROTH Entomol. Ztg. Wien **25** (19).

Scolopostethus pictus, egg fig. 9, larva fig. 10, (141, 142) MJÖBERG Zs. wiss. Insektenbiol. **2**.

Tamasanka **gen. n.** *Heterogastrinae*, *limbata* **sp. n.** Transvaal; DISTANT (291) Ann. Mag. Nat. Hist. **18**.

Togo **gen. n.**, *victor* **sp. n.** Japan; BERGROTH (335) Ent. News **17** (335–336).

Tropistethus simulans Ceylon, DISTANT (414) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*T. fasciatus* neu für Russland, JAKOVLEV St. Peterburg Hor. Soc. Ent. Ross. **37** (220).

Xestocoris **gen. n.** *Lethaeria* (389), *nitens* **sp. n.** New York (390), VAN DUZEE Ent. News **17**.

PYRRHOCORIDAE.

Aderrhis **nom. n.** cf. *Adherris*.

Adherris **gen. n.** near *Dermatinus* (199), altered to *Aderrhis* (251), *pulla* **sp. n.** E. Africa (200), BERGROTH Bruxelles Ann. Soc. ent. Belgique **50**.

Callibaphus gigas Comoro Ins., BERGROTH (198) T.c., **sp. n.**

Dermatinus reticulatus Sign. zu *Pyrrhocoris*, BERGROTH Entomol. Ztg. Wien **25** 1906 (4).

Physopelta elegantula Bredd. = *Ph. pyrrhocorides*, BERGROTH l.c.

Pyrrhocoris apterus, Spermatogenese, GROSS Zool. Jahrb. Anat. **23** (269–336) 2 Taf.

TINGITIDAE.

Die Tingitiden des palaearktischen Faunengebietes (ungarisch); HORVÁTH Math. Term. Ért. Budapest **24** 1906 (495–502).

Synopsis Tingitidarum regionis palaearcticae; HORVÁTH Ann. Hist.-Nat. Hung. **4** 1906 (1–118) Tab. i.,

Tingitides d'Achille Costa, types, synonymy; HORVÁTH Napoli Annuario Mus. zool. **2** No. 10 1906 (1–3).

Modifications histologiques apportées aux fleurs du *Teucrium chamaedrys* et du *Teucrium montanum* par des larves de *Copium*; HOUARD Paris C.-R. Acad. sci. **143** (927–929).

Acalypta elegans **sp. n.** Sibiria orientalis (32), HORVÁTH Ann. Hist.-Nat. Hung. **4**.

Biskria; palaearct. regionis HORVÁTH T.c. (34–35).

Calliphanes **nom. n.** for *Stephanitis* Champ. nec Stål; HORVÁTH (34) Ent. Mag. London **42**.

Campylosteira pilicornis (19), *libanotica* (21), **spp. n.**, Syria, HORVÁTH Ann. Hist.-Nat. Hung. **4**.

Cantacader laticollis Algéria (11) fig. 7, *angulipennis* Hispania (12) fig. 3, **spp. n.**; *C. quadricornis* var. n. *nubilus* (12); HORVÁTH T.c.

Catoplatus hilaris **sp. n.** Syria (90), *anticus* var. n. *syriacus* (88); HORVÁTH T.c.

Copium; palaearkt. Arten, HORVÁTH (91–94) T.c.

Corythuca pergandei Washington **sp. n.**, HEIDEMANN Washington Proc. Ent. Soc. **8** (10).

Derephysia; palaearkt. Arten, HORVÁTH Ann. Hist.-Nat. Hung. **4** (45–47).

Dictyonota reuteri **sp. n.** Syria (142), HORVÁTH T.c.

Diplogomphus **gen. n.** near *Elasmognathus*, *capusi* **sp. n.** Cochin Chine, HORVÁTH (296) Paris Bull. Soc. ent. **1906**.

Elasmotropis testacea H.-Sch. varr. n. *vicina* and *platydera* HORVÁTH Ann. Hist.-Nat. Hung. **4** 1906 (58).

Galeatus; palaearkt. Arten, HORVÁTH (49–54) T.c.

Hyalochiton; palaearkt. Arten, HORVÁTH Ann. Hist.-Nat. Hung. **4** (48–49).

Lasicantha; palaearkt. Arten, HORVÁTH (59–61) T.c.

Monanthia sahlbergi **sp. n.** Turkestan (100), HORVÁTH T.c.

Monosteivra; palaearkt. Arten, HORVÁTH (104–107) T.c.

Oncochila; palaearkt. Arten, HORVÁTH (96–97) T.c.

Phaenotropis **subgen. n.** von *Monosteira*; *M. parvula* Sign. HORVÁTH (106) T.c.

Physatocheila; palaearkt. Arten, HORVÁTH (94–96) T.c.

Piesma tenella Turcomania (8), *rotundata* Syria (9), **spp. n.**, HORVÁTH T.c.—*P. bicolorata* Transvaal, DISTANT (292) Ann. Mag. Nat. Hist. Ser. 7 **18, sp. n.**

Serenthia globiceps Syria (111), *umbrosa* (113), *melanoscelis* (114), Algeria, **spp. n.**; *atricapilla* varr. n. *mendax* and *pallens* (111), *laeta* var. n. *poppii* (116); HORVÁTH Ann. Hist.-Nat. Hung. **4**.

Stephanitis Stål = (*Cadamustus* Dist. = *Maecenas* Kirk.); HORVÁTH (34) Ent. Mag. London **42**.—*S.*; palaearkt. Arten, HORVÁTH Ann. Hist.-Nat. Hung. **4** (54–56).—*S. gallarum* Bengal, HORVÁTH (33) Ent. Mag. London **42, sp. n.**

Tingis deserticola (71), *leptochila* (74), Turkestan, *denudata* Algeria (75), *fuentei* Hispania (76), *stupidula* Syria (77), *demissa* Asia Minor (78), *granadensis* Hispania (80), *reuteri* Turcomania(81), *cappadocica* Asia Minor (82), **spp. n.**, HORVÁTH Ann. Hist.-Nat. Hung. **4**.—*T. demissa* (182), *cappadocia* (183), Asia minor, HORVÁTH Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

(*Acanthocheila kaharalu* KIRKALDY, Paris Bul. soc. ent. **1905**, sp. n.)

(*Americia annae* KIRKALDY, Paris Bul. soc. ent. **1905**, sp. n.)

(*Hanuala* gen. n. *leinahoni* KIRKALDY, Paris Bul. soc. ent. **1905**, sp. n.)

ARADIDAE.

Aradus concinnus ♀ (198); *A. cincticornis* Alabama (198), *heidemanni* Oregon (199), **spp. n.**; BERGROTH Canad. Entomol. **38**.

Coloborrhinus **nom. n.** for *Coloborrhynchus* Champ., BERGROTH (202) T.c.

Eumenotes insularis Sangir isld., DISTANT (417) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Mezira = (*Brachyrrhynchus*) (202), *M. jamaicensis* **sp. n.** Jamaica (201), BERGROTH Canad. Entomol. **38**

BERYTIDAE.

Apoplymus pectoralis neu für Russlands, JAKOVLEV St. Peterburg Hor. Soc. Ent. Ross. **37** (220–246).

Jalysus wickhami **sp. n.** California and Arizona, VAN DUZEE (387) Ent. News **17.**

PHYMATIDAE.

Narina **gen. n.** (413), *capensis, elizabetha,* **spp. n.**, S. Africa, (414), DISTANT Cape Town Trans. S. Afric. Phil. Soc. **16.**

GERRIDAE, or HYDROMETRIDAE.

Gerris; Lage der Stinkdrüse, BERGROTH Entomol. Ztg. Wien **25** (6).—*G. annulicornis, vulpina,* **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (83–85).

Halobates herdmani Ceylon, CARPENTER (151) 1 plate London R. Soc. Rep. Pearl Oyster **5, sp. n.**—*H. vullerstorffi,* mer des sargasses, MONACO (624) Paris C.-R. Acad. Sci. **142.**

Hermatobatodes; Identität mit *Hermatobates,* BERGROTH Entomol. Ztg. Wien **25** (6).

Perittopus breddini forma macroptera, BERGROTH T.c. (16).

Ptilomera pamphagus, dorceus, laelaps, oribasus, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (86–88).

REDUVIIDAE (incl. Emesidae and Nabidae).

Acanthaspis erlangeri (22) and var. *apicalis, annulata* (23), E. Africa, SCHOUTEDEN Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Afrocastra Bredd.; Identität mit *Katanga* Schout., BERGROTH Entomol. Ztg. Wien **25** (5).

Allomastix **gen. n.** für *Diaditus errabundus* Dist., BERGROTH (4) T.c.

Antiopula typicalis Ceylon, DISTANT (367) Ann. Mag. Nat. Hist. **18, sp. n.**

Arilus cristatus, number of eggs, GIRAULT (16) Ent. News **17.**

Bagauda splendens Ceylon, DISTANT (364) Ann. Mag. Nat. Hist. **18, sp. n.**

Cerilocus waterbergensis Transvaal, DISTANT (292) T.c., **sp. n.**

Coranus subapterus, egg, MJÖBERG (17) Uppsala Arkiv. Zool. **3** No. 6.

Darbanus subunicolor **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (94).

Dystecta **gen. n.**, *mendica* **sp. n.** Celebes, BREDDIN T.c. (98–99).

Ectrichodia Lep. S. und *Ectrychotes* Burm., Synonymie, BERGROTH Entomol. Ztg. Wien **25** (5).—*Ectrichodia splendens* (24), *hecqui* (25), *hirsuta* (26), E. Africa, SCHOUTEDEN Bruxelles Ann. Soc. ent. Belgique **50, spp. n.**

Emesella immitis Venezuela, BERGROTH (312) Wien Verh. Zool-bot. Ges. 1906, **sp. n.**

Endochus viduus, pauli, friderici, sarasinorum, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (91–93).

Eriximachus Dist.; unhaltbare Larvengattung, BERGROTH Entomol. Ztg. Wien **25** (5).

Gallobelgicus **gen. n.** *Polididusaria* (370), *typicus* **sp. n.** Ceylon (371); DISTANT Ann. Mag. Nat. Hist. **18.**

Ghilianella assanutrix (314), *pascoei* (315), *semipallida* (317), *claviventris* (318), *globifera* (319), Venezuela, BERGROTH Wien Verh. Zool.-bot. Ges. 1906, **spp. n.**

Guithera **gen. n.** near *Bagauda, hortensia* (364), *rubifera* (365), **spp. n.**, Ceylon; DISTANT Ann. Mag. Nat. Hist. **18.**

Harpactor niger neu für Russlands, JAKOVLEV St. Peterburg Hor. Soc. Ent. Ross **37** (220–246).

Havinthus rufovarius Berg. var. von *H. longiceps* Stål, BERGROTH Entomol. Ztg. Wien **25** (5).

Hediocoris imitans E. Africa, SCHOUTEDEN (27) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Ischnonyctes inermiceps Madagascar, BERGROTH (270) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*I. marcidus,* BERGROTH (321) Wien Verh. Zool.-bot. Ges. 1906.

Lanca **gen. n.** near *Platerus* (369), *kandyensis* **sp. n.** Ceylon (370); DISTANT Ann. Mag. Nat. Hist. **18.**

Libavius tricolor Ceylon, DISTANT (367) T.c., **sp. n.**

Leptolestes **gen. n.** near *Harpagocoris* (14), *hymenopterus* Java **sp. n.** (15), BERGROTH Etomol. Ztg. Wien **25.**

Luteva funebris Borneo, BERGROTH (310) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Lutevopsis muscicapa Borneo, BERGROTH (311) T.c., **sp. n.**

Margasus princeps E. Africa, BERGROTH (201) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Mastigonomus erlangeri E. Africa, SCHOUTEDEN (27) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Nabis boops Schiœdte, ABOT Angers Bul. soc. étud. sci. **35** 1906 (163–164). —*N. lativentris* eggs and oviposition, CHAPMAN (73, 74) pl. iii Entomologist 1906.

Nesita **gen. n.** (306), *polymorphus* (307), *annulosus* (309), **spp. n.**, Madagascar, BERGROTH Wien Verh. zool.-bot. Ges. 1906.

Oncocephalus annulipes Stål eine Mischart, BERGROTH Entomol. Ztg. Wien **25** (4).—*O. ganalensis* E. Africa, SCHOUTEDEN (20) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Opinus Lap. = (*Sminthocoris* Dist.), KIRKALDY (249) Entomologist 1906; *Opinus* invalid, DISTANT (274) Entomologist 1906.

Orthunga arborea Comoro Ins., BERGROTH (268) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Pangeranga **gen. n.** *Tribelocephalinae* (365), *cinnamomea* **sp. n.** Borneo (366); DISTANT Ann. Mag. Nat. Hist. **18.**

Petalochirus vittiventris E. Africa, BERGROTH (202) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Phonergates bicoloripes a tick destroyer, AUSTEN J. trop. Medicine London **9** (113); WELLMAN T.c. (97).

Physoderes dentiscutum **sp. n.** Neuguinea, BERGROTH Entomol. Ztg. Wien **25** (16).

Physorrhynchus malabaricus Dist. eine unbestimmbare Larve, BERGROTH (5) T.c.

Pirates (*Cleptocoris*) *tellinii* Eritrea, SCHOUTEDEN (14) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*P. abortivus* **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (102).

Ploiariola pygmaea Ceylon, DISTANT (363) Ann. Mag. Nat. Hist. **18, sp. n.**—*P. baerensprungi* neu fur Russlands, JAKOVLEV St. Peterburg Hor. Soc. Ent. Ross. **37** (220).

Polytoxus luridus Madagascar, BERGROTH (268) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Pristhesancus maculiventris Bredd., Identität mit *Pr. chrysitis* Dist., BERGROTH Entomol. Ztg. Wien **25** (1–12).

Reduvius funebris E. Africa, SCHOUTEDEN (22) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*R.* (*Opsicoetus*) *senilis* **sp. n.** Arizona, VAN DUZEE (390) Ent. News **17.**

Rhaphidosoma greeni Ceylon, DISTANT (367) Ann. Mag. Nat. Hist. **18, sp. n.**—*R. trituberculata* Madagascar, BERGROTH (267) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Scipinia bellicosa **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (89).

Serendiba **gen. n.** near *Villanovanus* (368), *pundaluoyae* **sp. n.** Ceylon (369), DISTANT Ann. Mag. Nat. Hist. **18.**

Sminthocoris cf. *Opinus.*

Sphedanolestes pulcher Eritrea, SCHOUTEDEN (15) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Stegius Dist.; unhaltbare Larvengattung, BERGROTH Entomol. Ztg. Wien **25** (5).

Stesichorus **gen. n.** *Acanthaspidinae*, *pilosus* **sp. n.** Ceylon, DISTANT (366) Ann. Mag. Nat. Hist. **18.**

Sycanus galbanus Ceylon, DISTANT (368) T.c., **sp. n.**

Tetroxia blanda Bredd., Identität mit *Acanthaspis escalerae* Var., BERGROTH, Entomol. Ztg. Wien **25** (5).

Tribelocephala oculata Dist., Identität mit *Opisthoplatys oculatus* Bredd., BERGROTH Entomol. Ztg. Wien **25** (4).

Veledella fruhstorferi **sp. n.** Java, BERGROTH Entomol. Ztg. Wien **25** (14).

Ulpius granditubber Madagascar, BERGROTH (266) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

(*Acanthaspis variivenis* NOUALHIER, Mission Pavie **3**, sp. n.)

(*Katanga* gen. n. *bergrothi*, Zentral-Afrika, (217) sp. n., SCHOUTEDEN, Entomol. Ztg. Wien **22** 1903 (217).)

(*Prostemma siamense* NOUALHIER, Mission Pavie **3**, sp. n.)

(*Spiniger bergi, paganus*, BERGROTH, Rev. ent. Caen **24** 1905 spp. n.)

(*Zelus gradarius* BERGROTH, Rev. ent. Caen **24** 1905 sp. n.)

CIMICIDAE.

Acanthia lectularia phototropisme, BOHN Paris C.-R. soc. biol. **60** (520–524).—*A. pipistrelli* in S. Africa, BOWHILL (246) J. Hygiene **6**.

Cimex lectularius, nec *Klinophilos*, pathogenic literature, GIRAULT Psyche **13** (42–58).

(*Stictonotion* nom. n., für *Stictocoris* Kirk. und *Stictonotus* Stål, KIRKALDY Entomol. Ztg. Wien **24** 1905 (268).)

ANTHOCORIDAE, HENICOCEPHALIDAE, CERATOCOMBIDAE.

Amphiareus fulvescens (4) f. 3, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Arnulphus aterrimus (3) f. 2, DISTANT T.c.

Arrostelus (subgen. of *Xylocoris*) **nom. n.** for *Arrostus* Reuter, KIRKALDY (119) Philadelphia Trans. Amer. Ent. Soc. **32**.

Dipsocoridae in place of *Ceratocombidae*, KIRKALDY (375) Canad. Entomol. **38**.

Dufouriellus **nom. n.** (= *Xylocoris* auctt.) type *ater* Dufour, KIRKALDY (121) Philadelphia Trans. Amer. Ent. Soc.

Euspudaeus funebris (6) f. 5, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Henicocephalus; Enderlein's genera (Zool. Anz. 1904) invalid; BERGROTH (6) Entomol. Ztg. Wien **25**.—*H. barbatus* Ceylon (323), *aëronauta* Ins. La'ut, *fragrans* Celebes, (324), *bironianus* New Guinea (325), BERGROTH Ann. Hist. nat. Hung. **4, spp. n.**—*H. tuberculatus*, correction, BERGROTH (163) Bruxelles Ann. Soc. ent. Belgique **50**.

Lippomanus hirsutus (5) f. 4, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Odontobrachys niger (7) f. 7, DISTANT T.c.

Ostorodias contubernalis (3) fig. 1, DISTANT T.c.

Pachytarsus crassicornis (9) f. 9, DISTANT T.c.

Sesellius parallelus (7) f. 6, DISTANT T.c.

Triphleps tantillus (8) f. 8, DISTANT T.c.

POLYCTENIDAE.

Eoctenes **gen. n.** type *Polyctenes spasmae* Wat., KIRKALDY (375) Canad. Entomol. **38**.

Euroctenes **gen. n.** type *Polyctenes lyrae* Wat., KIRKALDY l.c.

Hesperoctenes **gen. n.** type *P. fumarius* Westw., KIRKALDY l.c.

Polyctenes lyrae (12) f. 10, DISTANT Faun. Brit. Ind. Rhynchota **3**.

CAPSIDAE, MIRIDAE.

Ausgewählte Kapitel aus O. M. Reuters „Revisio critica Capsinarum" als Beitrag zur Biologie und Morphologie der Capsiden ins Deutsche übertragen v. Embr[ik] **Strand**, überarb. v. Th[eodor] **Hüeber** u. J. **Gulde**. Stuttgart Jahreshefte Ver. Natk. **62** 1906 (263–311).

Synopsis der deutschen Blindwanzen (Hemiptera, heteroptera Fam. *Capsidae*). [ix.] **Hüeber** Stuttgart Jahreshefte Ver. Natk. **62** 1906 (201–262).

Redescription of Stål's *Capsidae*; REUTER Helsingfors Öfvers. F. vet. Soc. **47** No. 12 (1–20).

Reuter's classification of *Miroidea*, tables, etc., KIRKALDY (369–376) Canad. Entomol. **33**.

Allodapus longicornis Aegyptus, REUTER (12) Helsingfors Öfvers. F. vet. Soc. **47** No. 4, **sp. n.**

Alloeochrus **gen. n.** near *Deraeocoris*, (5), *rufinervis* **sp. n.** Cap. B. S. (6), REUTER T.c. No. 21.

Amblytylus lunula neu für Russlands, JAKOVLEV St. Peterburg Hor. Soc. Ent. Ross. **37** (220–246).

Ambrocius capucinus Venezuela, REUTER (30) Helsingfors Öfvers. vet. Soc. **47** No. 19, **sp. n.**

Aristoreuteria **nom. n.** for *Episcopus* Reuter, type *ornatus* Reut., KIRKALDY (124) Philadelphia Trans. Amer. Ent. Soc. **32**.

Atomoscelis signaticornis (20), *tomentosus* (21), Aegyptus, Reuter Helsingfors Öfvers. F. vet. Soc. **47** No. 4, **spp. n.**

Brachycranella **gen. n.** for *Capsus viridipunctatus* Stål, Reuter (19) T.c. No. 12.

Callicratides; redescribed, Reuter (4) T.c. No. 5.

Calocorisca aeneoinduta Venezuela, Reuter (19) T.c. No. 19, **sp. n.**

Camptobrochis sinuaticollis Aegyptus, Reuter (9) T.c. No. 4, **sp. n.**—*C. tibialis* Reut. to *Deraeocoris*, Reuter (19) T.c. No. 10.

Campylomma angustula Aegyptus, Reuter (22) T.c. No. 4, **sp. n.**

Ceratocapsus pilosus Venezuela, Reuter (34) T.c. No. 19, **sp. n.**

Charitocoris sanguineonotatus Somalis, Reuter (7) T.c. No. 10, **sp. n.**—*C. rufoplagiatus* Cap. B. S., Reuter (3) T.c. No. 21, **sp. n.**

Chorosomella **gen. n.** near *Teratocoris*, *jakovleffi* **sp. n.** Crimée, Horváth Ann. Hist.-Nat. Hung. **4** (545-546).

Creontiades vittipennis Australia bor. (3), *virescens* Sydney (4), Reuter Helsingfors Öfvers. F. vet. Soc. **47** No. 20, **spp. n.**

Cyphodema perdix Asia minor, Horváth (185) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Cyrtocapsidea **gen. n.** near *Charagochilus* (25), *nebulosa* Venezuela **sp. n.** (26), Reuter Helsingfors Öfvers. F. vet. Soc. **47** No. 19.

Cyrtorrhinus melanops Caffraria, Reuter T.c. No. 21, **sp. n.**

Deimatostages **gen. n.** (29), *contumax* **sp. n.** Westafrika (31), Kuhlgatz Zool. Anz. **30.**

Deraeocoris pallidipennis Abessinia, Reuter (20) Helsingfors Öfvers. F. vet. Soc. **47** No. 10, **sp. n.**—*D. australicus* Cape York, Reuter (7) T.c. No. 20, **sp. n.**

Dicyphus montandoni, neu für Russlands, Jakovlev St. Peterburg Hor. Soc. Ent. Ross. **37** (220–246).

Dirhopalia **gen. n.** for *Leptomerocoris antennata* Walk., Reuter (9) Helsingfors Öfvers. F. vet. Soc. **47** No. 5.

Eurycipitia **gen. n.** *Bryocoraria* (3), for *Eccritotarsus splendens* Dist., *distanti* Venezuela **sp. n.** (4), Reuter T.c. No. 19.

Eurycranella **gen. n.**, *Tuponiae* aff. (25), *geocoriceps* **sp. n.** Aegyptus (26), Reuter T.c. No. 4.

Falconiodes **gen. n.** near *Cyllocoris* (32), *concolor* **sp. n.** Venezuela (34), Reuter T.c. No. 19.

Grypocoris melanopygus Asia minor, Horváth (184) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Hadrophyes sulphurella neu für Russlands, Jakovlev St. Peterburg Hor. Soc. Ent. Ross. **37** (220-246).

Helopeltis alluaudi Assinia, Reuter (1) Helsingfors Öfvers. F. vet. Soc. **47** No. 10, **sp. n.**—*H. schoutedeni* Congo, Reuter (112) Ent. Mag. London **42, sp. n.**

Heterocordylus flaviceps, metamorphosis (Japanese), Nitobe Konch. Sek. Gifu **10** 1906 (19–22).

Histriocoris **gen. n.** for *Capsus incomparabilis* Stål, Reuter (15) Helsingfors Öfvers. F. vet. Soc. **47** No. 12.

Lopus, *Hoplomachus* and *Capsodes*, Synonymie, Reuter Entomol. Ztg. Wien **25** (216).

Hyaloscytus **gen. n.** *Monalonionaria* (1), *elegantulus* **sp. n.** Victoria (2), Reuter Helsingfors Öfvers. F. vet. Soc. **47** No. 5.

Indoelum **gen. n.** for *Megacoelum* div. b. Distant, type *rubricatum* Distant, Kirkaldy (138) Philadelphia Trans. Amer. Ent. Soc. **32.**

Leptidolon **gen. n.** (14), *vittipenne* Victoria **sp. n.** (15), Reuter Helsingfors Öfvers. F. vet. Soc. **47** No. 5.

Leptoxanthus **gen. n.** *Plagiognatharia* (7), *flaveolus* Svacop **sp. n.** (8), Reuter T.c. No. 21.

Linocerocoris Karsch and *L. cariniventris* redescribed, Reuter (8) T.c. No. 10.

Lyyus schoutedeni Abessinia (12), *alluaudi* Assinia (13), Reuter T.c. No. 10, **spp. n.**

Macrotylus antennalis Asia minor, Horváth (186) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Megacoelum longicolle Sierra Leone, Reuter (2) Helsingfors Öfvers. F. vet.

Soc. **47** No. 21, **sp. n.**—*M. sordidum* Aegyptus, REUTER (7) T.c. No. 4, **sp. n.** —*M. schoutedeni* Townsville, REUTER (10) T.c., **sp. n.**

Mimoncopeltus **nom. n.** for *Lygdus*, KIRKALDY (374) Canad. Entomol. 1906.

Mimoperideris (subgen. of *Cyllecoris*) **nom. n.** = *Perideris* Fieber, type *marginatus* Fieber, KIRKALDY (129) Philadelphia Trans. Amer. Ent. Soc. **32**.

Monalocorisca chrysodasia (8), *nebulosa* (9), Venezuela, REUTER Helsingfors Öfvers. F. vet. Soc. **47** No. 19, **spp. n.**

Neostenotus **gen. n.** (21), *bipunctatus* **sp. n.** (22), REUTER T.c. No. 19.

Niastama **gen. n.** *Capsaria* (11), *punctaticollis* Tasmania **sp. n.** (12), REUTER T.c. No. 5.

Nyctella **gen. n.** *Plagiognatharia* (35), *moerens* **sp. n.** Venezuela (36), REUTER T.c. No. 19.

Odoniella rubra Assinia, REUTER (2) T.c. No. 10, **sp. n.**

Orthotylus spartiicola Syria, REUTER (16) T.c. No. 4, **sp. n.**—*O. roseipennis* Australia bor., REUTER (8) T.c. No. 20, **sp. n.**

Oxacicoris **gen. n.** near *Calocoris*, (5), *bimaculicollis* Erythraea **sp. n.** (6), REUTER T.c. No. 10.

Pameridea **gen. n.** (724), *roridulae* **sp. n.** Kapland (725); REUTER Zool. Anz. **30**.

Pantiliodes tellinii Abessinia, REUTER (3) Helsingfors Öfvers. F. vet. Soc. **47** No. 10, **sp. n.**

Paralygus **gen. n.** type *Horcias plumatus* Dist. (4), *signatiscutis* (5), *simplex* (6), **spp. n.**, Sydney, REUTER T.c. No. 20.

Parantias **gen. n.** *Dicypharia* (30), *tenuicornis* **sp. n.** Venezuela (32), REUTER T.c. No. 19.

Phytocoris extensus Asia minor (1), *bivittatus* Graecia (2), *albipennis* Palaestina (3), REUTER T.c. No. 4, **spp. n.**—*P. dolichopterus* Cap. B.S., REUTER (1) T.c. No. 21, **sp. n.**

Platycapsus **gen. n.** near *Deraeocoris* (11), *acaciae* **sp. n.** Aegyptus (12), REUTER T.c. No. 4.

Pleurochilophorus **gen. n.** near *Megacoelus* (3), *quadripunctatus* **sp. n.** Erythraéa (4), REUTER T.c. No. 10. —*Pleurochilophorus* **gen. n.** (Reuter), *quadripunctatus* sp. n. Reuter, SCHOUTEDEN (16) Bruxelles Ann. Soc. ent. Belgique **50**.

Porphyrodema **gen. n.** *Capsaria*, *flavolineatum* **sp. n.** Queensland, REUTER (3) Helsingfors Öfvers. F. vet. Soc. **47** No. 5.

Poeciloscytus longirostris Massauah, REUTER (14) T.c. No. 10, **sp. n.**

Poecilocapsus sexmaculatus **sp. n.** Texas, BARBER (280) Brooklyn Mus. Bull. **1**.

Prepops **subg. n.** *vide Resthenia.*

Proboscidocoris punctaticollis Erytraea (16), *debilis* Takal (17), *ferrugineus* Assinia (18), REUTER Helsingfors Öfvers. F. vet. Soc. **47** No. 10, **spp. n.**

Psallus brachycerus Asia minor, REUTER (18) Helsingfors Öfvers. F. vet. Soc. **47** No. 4, **sp. n.**—*P. eximius* Victoria, REUTER (12) T.c., **sp. n.**

Pseudopantilius **gen. n.** for *Lopus australis* Walk., REUTER T.c. No. 5.

Pycnoderes (*Arsinotus*) *albicornis* Venezuela, REUTER (5) T.c. No. 19, **sp. n.**

Resthenia meinerti (12), *suturalis* (13), *nannae* (14), *R.* (*Prepops* subg. n.) (15), Venezuela, REUTER T.c. No. 19, **spp. n.**

Romna **nom. n.** for *Morna* White, type *capsoides* White, KIRKALDY (141) Philadelphia Trans. Amer. Ent. Soc. **32**.

Schistonotellus **nom. n.** for *Schizonotus* Reut., REUTER (32) Helsingfors Öfvers. F. vet. Soc. **47** No. 19.

Sidnia **gen. n.** for *Capsus kinbergi* Stål, REUTER (3) T.c. No. 12.—*S. distinctus* (10), *longipennis* (11), Abessinia, REUTER T.c. No. 10, **spp. n.**

Stenotus fasciaticollis Sierra Leone, REUTER (4) T.c. No. 21, **sp. n.**

Sthenarus pollinosus Asia minor, HORVÁTH (186) Wien Ann. Nat. Hist. Hofmus. **20**, **sp. n.**—*S. quercicola* Asia minor, REUTER (23) Helsingfors Öfvers. F. vet. Soc. **47** No. 4 **sp. n.**—*S. leucochilus* Bourbon, REUTER (8) T.c. No. 21, **sp. n.** —*S. australis* Victoria, REUTER (13) T.c. No. 5, **sp. n.**—*S. apicalis* (36), *antennalis* (37), *clavicornis* (38), Venezuela, REUTER T.c. No. 19, **spp. n.**

Systellonotus motelayi Bordeaux, LAMBERTIE (27) Bordeaux Actes Soc. linn. **61, sp. n.**—*S. triguttatus*, relations with *Lasius niger*, MJÖBERG Zs. wiss. Insektenbiol. **2** (107–109).

Trichophorella **gen. n.** *Pilophoraria* (20), *sordidipennis* **sp. n.** Abessinia (21), REUTER Helsingfors Öfvers. F. vet. Soc. **47** No. 10.

Tuponia brevirostris neu für Russland, JAKOVLEV St. Peterburg Hor. Soc. Ent. Ross. **37** (220–246).

Utopnia torquata ♀, REUTER (20) Helsingfors Öfvers. F. vet. Soc. **47** No. 4.

Xestonotellus **gen. n.** *Capsaria* (1), *perversus* **sp. n.** Australia bor. (2), REUTER T.c. No. 20.

(*Chlamydatus longirostris* France, REUTER, Paris, Bul. soc. ent., **1905**, (8–9), sp. n.)

(*Lopistus* nom. n. für *Lopus* Spinola nec Huhn, KIRKALDY, Entomol. Ztg. Wien **24** 1905 (268).)

(*Pseudoloxops* nom. n. für *Loxops* Fieber, KIRKALDY, Entomol. Ztg. Wien **24** 1905 (268).)

(*Reuteroscopus* nom. n. für *Episcopus* Reuter KIRKALDY, Entomol. Ztg. Wien **24** 1905 (268).)

(*Strongylocoris obscurus oberthuri* var. n. REUTER, Paris Bul. soc. ent. **1905.**)

SALDIDAE.

Godefridus Dist., Zugehörigkeit zu *Velocipeda*, BERGROTH Entomol. Ztg. Wien **25** (8).

Halovelia amphibia **sp. n.** Sansibar, BERGROTH T.c. (7).

Leptopus marmoratus neu für Russlands, JAKOVLEV St. Peterburg Hor. Soc. Ent. Ross. **37** (220–246).

Salda bergi Hagl., Identität mit *S. argentina* Bergr., BERGROTH Entomol. Ztg. Wien **25** (7).

Valleriola Dist., Identität mit *Leptopus* Latr., BERGROTH T.c. (8).—*Vallerolia* Dist. = (*Leptopus* Bergr. nec Latr.), DISTANT (293) Ann. Mag. Nat. Hist. **18.**

(*Velocipeda minor* Java, BREDDIN, Entomol. Ztg. Wien **22** 1903 (248), sp. n.)

HYDROCORISAE.

Nepidae, *Gerridae* and *Naeogeidae*, catalogue of genera and their types; KIRKALDY Philadelphia Pa. Trans. Amer. ent. Soc. **32** (153–156).

British Waterbugs, annotated list, notes on habits, KIRKALDY Entomologist 1906 (60 etc.).

Cryptocerate Hemiptera of America, list; BUENO Washington D.C. Proc. Ent. Soc. **8** (45–58).

Ways of progression in water bugs, BUENO Ent. News **17** (1–4)

13 new species of hemipterous water insects, described and figured; MATSUMURA Sapporo Journal of Sapporo Agricultural College **2** 1905 (53–65) pl. In full in 1932

Anisops breddini Kirkaldy **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (103).—*A. fieberi* **nom. n.** Kirkaldy für *nivea* Fieb., BREDDIN Halle Abh. natf. Ges. **24** (103).—*A. sardea* (45) f. 27, Distant Faun. Brit. Ind. Rhynchota **3.**—*Anisops kirkaldyanus* **nom. n.** für *edepol* Kirk., BERGROTH Entomol. Ztg. Wien **25** (12).

Belostoma fluminea, life-history, BUENO (189–197) Canad. Entomol. **38.**—*B. indicum* (38) f. 24, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Cercotmetus fumosus (23) f. 15, DISTANT T.c.

Cheirochela feana (26) f. 16, DISTANT T.c.

Corixa; copula and oviposition; HEWITT (89, 90) London Trans. ent. Soc. 1906.—*C. hieroglyphica* (49) f. 29, DISTANT Faun. Brit. Ind. Rhynchota **3.**—†*C. florissantella* Colorado, COCKERELL (209) Canad. Entomol. **38, sp. n.**

Ctenipocoris asiaticus (32) f. 20, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Diaphorocoris punctatissimus (28) f. 18, DISTANT T.c.

Enithares indica (42) f. 26, DISTANT T.c.

Gestroiella limnocoroides (27) f. 17, DISTANT T.c.

Heleocoris, the type; *H. strabus* (29) f. 19, DISTANT T.c.

Laccotrephes robustus (18) f. 13, DISTANT T.c.

†*Mesocorixa* **gen. n.** for *Silpha tenuilythris* Weyenb., HANDLIRSCH (639) Fossil. Ins.

†*Mesonepa* **gen. n.** for *Nepa primordialis* Germ. and *minor* **sp. n.** Bayern Kalk, HANDLIRSCH (637) T.c.

Micronecta striata (50) f. 30, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Mononyx serratus (15) f. 12, DISTANT T.c.

Nectocoris stali (35) f. 22, DISTANT T.c.

Nepa cinerea, copula, HEWITT (87–89) ent. London Trans. ent. Soc. 1906.

Notonecta montandoni (41) f. 25, DISTANT Faun. Brit. Ind. Rhynchota **3**.

†*Notonectites* **gen. n.** for *Notonecta elterleini* Deichm., HANDLIRSCH (639) Fossil. ins.

Pelogonus marginatus (14) f. 10, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Plea minutissima (= *leachi* Kirk.), *liturata* f. 28, (47), *pallescens* Calcutta **sp. n.** (48); DISTANT T.c.

Ranatra quadridentata life-history, BUENO (242–252) Canad. Entomol. **38**.—*R. elongata* (20) f. 14, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Sphaerodema rusticum (36) f. 23, DISTANT T.c.

Thurselinus greeni (33) f. 21, DISTANT T.c.

(*Micronecta annae, erato, memonides, thelxines, vanduzeei*, Philippines, Ceylon, and Australia, KIRKALDY, G. W. Ent. News, Philadelphia, Pa., **16**, 1905, (260–263), n. spp.)

INCERTAE SEDIS. Fossil *Heteroptera*.

The following new *Heteroptera* are described by HANDLIRSCH from the Lias.

†*Archegocimex* **gen. n.** *Archegocimicidae* fam. n. near *Pentatomidae*, *geinitzi* **sp. n.** Lias Mecklenburg, (493) Fossil. Ins.

†*Aphlebocoris* **gen. n.** *Aphlebocoridae* fam. n. for *Pachymeridium dubium* Gein., (495) T.c.

†*Eocimex* **gen. n.** *Eocimicidae* fam. n., *liasinus* **sp. n.** Lias Mecklenburg, (494) T.c.

†*Pachymeridiidae* fam. n. for *Pachymeridium dubium* Gein., (495) T.c.

†*Progonocimex* **gen. n.** *Progonocimicidae* fam. n., *jurassicus* **sp. n.** Lias Mecklenburg, (494) T.c.

†*Protocoridae* fam. n. for *Protocoris* Heer, (495) T.c.

The following are from Jurassic strata.

†*Copidopus* **gen. n.** *jurassicus* **sp. n.** Bayern Kalk, HANDLIRSCH (635) Fossil. ins.

†*Anacoloptera* **gen. n.** for *Cercopidium trigonale* Gieb., (640) T.c.

†*Dimeropterum* **gen. n.**, *westwoodi* **sp. n.** Purbeck England, (636) T.c.

†*Scylacoris* **gen. n.** for *Lygaeites furcatus* Gieb., (636) T.c.

Homoptera.

Verzeichnis der palaarctischen Hemipteren mit besonderer Berücksichtigung ihrer Vertheilung im Russischen Reiche. II. Band. Homoptera. 1. Lief. OSHANIN St. Peterburg Ann. Mus. Zool. Ac. Sc. **11** 1906 Beilage (1–192).

CICADIDAE.

Catalogue of the *Cicadidae* of the world, with synopses of the subfamilies and genera, DISTANT, **10**.

Cicadidae of British India, classification and terms; DISTANT (55–57) Faun. Brit. Rhynchota **3**.

Cicadidae of Transvaal, DISTANT (168–180) pl. xvii Ins. transvaal.

Abroma maculicollis (165) f. 73, *bengalensis* **sp. n.** India (165), DISTANT Faun. Brit. Ind. Rhynchota **3**.

Angamiana aethera (73) f. 37, DISTANT T.c.

Aola bindusara (116) f. 50, DISTANT T.c.

Balinta octonotata (149) f. 65, DISTANT T.c.

Basa singularis (144) f. 63, DISTANT T.c.

Birrima **gen. n.** *Melampsaltaria, montrouzieri* **sp. n.** New S. Wales, DISTANT (388) Ann. Mag. Nat. Hist. **17**.

Burbunga hillieri S. Australia, DISTANT (154) Bruxelles Ann. Soc. ent. Belgique **50**, **sp. n.**

Calcagninus picturatus (137) f. 59, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Callipsaltria longula pl. xvi f. 1, *elongata* f. 6, DISTANT (178) Ins. transvaal.

Carineta cearana Brazil, DISTANT (153) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Cicada tibicen, pruinosa, canicularis, distinguished, DAVIS and JOUTEL, Ent. News **17** (237–239).—*C. erratica* (497), *delicata* (498), Louisiana, OSBORN Ohio Nat. **6, spp. n.**—*C. tibicen* and allies, *C. fulvula* **sp. n.** N. America, OSBORN (322) Ent. News **17.**—*C. erratica*, NEWELL Washington Bull. U.S. Dept. Agric. Bur. Ent. No. **60** (52–58).—*C. toradja* **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (109).

Cicadatra sankana (133) f. 57, DISTANT Faun. Brit. Ind. Rhynchota **3.**—*C. raja* N. W. India, DISTANT (184) Ann. Mag. Nat. Hist. ser. 7 **17, sp. n.**

Coata **gen. n.** *Tettigadesaria* (30), *facialis* **sp. n.** Ecuador (31); DISTANT Op. cit. **18.**

Collina obesa (hab ?), DISTANT (384) Op. cit. **17, sp. n.**

Cosmopsaltria vomerigera, multisignata, ornaticeps, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (105–107). —*C. oopaga* (97) f. 45, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Cryptotympana corvus (81) f. 41, DISTANT T.c.—*C. suluensis* Sulu Arch., DISTANT (148) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Cyclochila virens Queensland, DISTANT (148) Entomologist 1906, **sp. n.**

Dokuma consobrina Philippines, DISTANT (182) Ann. Mag. Nat. Hist. **17, sp. n.**

Drepanopsaltria **gen. n.**, BREDDIN Halle Abh. natf. Ges. **24** (113).

Dundubia mannifera (95) f. 44, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Emathia aegrota (124) f. 54, DISTANT T.c.

Gaeana maculata var. *consors* (145) f. 64, DISTANT T.c.

Gazuma pretoriae pl. xvi f. 4, DISTANT (179) Ins. transvaal.

Gudaba **gen. n.** (138) for *Calcagninus marginatus* Dist. (139) f. 60, DISTANT Faun. Brit. Ind. Rhynchota **3.**—*G. apicata* Cochin China, DISTANT (149) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*Graptotettix guttatus* (156) f. 68, DISTANT Faun. Brit. Ind. Rhynchota **3.**

†*Griphologus* **gen. n.** of doubtful position, but not *Cicadidae* for *Cicada lowei* Etheridge & Olliff, HANDLIRSCH (405) Fossil. Ins.

Haphsa meeki New Guinea, DISTANT (149) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*H. nicomacke* (99) f. 46, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Hea **gen. n.** *Tibiceninae* (121), *fasciata* **sp. n.** China (122) with fig.; DISTANT Entomologist 1906.

Huechys sanguinea (157) f. 69, DISTANT Faun. Brit. Ind. Rhynchota **3.**—*H. eos* **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (111).

Karenia ravida (161) f. 71, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Khimbya evanescens (140) f. 61, DISTANT T.c.

Kobonga **gen. n.** type *Cicada umbrimargo* Walk., DISTANT (387) Ann. Mag. Nat. Hist. **17.**

Kumanga sandaracata (170) f. 77, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Lahngada dohertyi (121) f. 53, DISTANT T.c.

Leptopsaltria tuberosa (90) f. 42, DISTANT T.c.—*L. celebensis* **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (103).

Lemuriana sirius (175) f. 2, DISTANT Ins. transvaal.—*L. apicalis* (167) f. 74, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Lethama locusta (142) f. 62, DISTANT T.c.

†*Lithocicada* **gen. n.**, *perita* **sp. n.** Florissant, COCKERELL (457), New York Bull. Amer. Mus. Nat. Hist. **22.**

Majeoroma lutea Brazil ?, DISTANT (185) Ann. Mag. Nat. Hist. **17, sp. n.**

Mapondera pulchella pl. xvi f. 20, DISTANT (178) Ins. transvaal.

Mata **gen. n.** (119), for *Pomponia kama* (120) f. 52, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Meimuna tripurasura (107) f. 48, DISTANT T.c.

Melampsalta germaini New Caledonia, DISTANT (387) Ann. Mag. Nat. Hist **17, sp. n.**—*M. continuata* f. 78, *literata* f. 79, (173), DISTANT Faun. Brit. Ind. Rhynchota **3.**—*M. leucoptera* pl. xvi f. 22, DISTANT (179) Ins. transvaal.

Mendozana **gen. n.** near *Chonosia* (152), *platypleura* **sp. n.** Argentina (153), DISTANT Bruxelles Ann. Soc. ent. Belgique **50.**

Mogannia bidentata Borneo, DISTANT (152) T.c., **sp. n.**—*M. effecta* (153) f. 67, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Munza furva pl. xvii f. 2, *basimacula* f. 3, DISTANT (171) Ins. transvaal.

Odopoea venturii Argentina, DISTANT (151) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Oncotympana obnubila (118) f. 51, DISTANT Faun. Brit. Ind. Rhynchota **3.**—*O. mahoni* N. W. India, DISTANT (183) Ann. Mag. Nat. Hist. **17, sp. n.**

Paharia lacteipennis (163) f. 72, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Panka simulata (168) f. 75, DISTANT T.c.

Pauropsalta exequata (174) f. 80, DISTANT T.c.

Platylomia umbrata (104) f. 47, DISTANT T.c.

Platypleura polita (61) f. 33, *watsoni* (63) f. 34, *nobilis* (69) f. 35, DISTANT T.c. —*P. quadraticollis* pl. xvii f 9. *brevis* f. 4, *marshalli* f. 7, *stridula* var. *capensis* f. 8, (172), *murchisoni* f. 14, *hirta* f. 10, *divisa* f. 13, *haglundi* f. 6, (173), *deusta* f. 11 (174), DISTANT Ins. transvaal.

Polyneura ducalis (74) f. 38, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Pomponia intermedia (113) f. 49, DISTANT T.c.

Proarna inconspicua Argentina, DISTANT (150) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**

Purana tigrina (92) f. 43, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Pycna semiclara (174) pl. xvii f. 5, *sylvia* (175) f. 12, DISTANT Ins. transvaal.—*P. repanda* (72) f. 36, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Quintilia subvitta (169) f. 76, DISTANT T.c. - *Q. carinata* (175) pl. xvi f. 23, *maculiventris* (176) f. 24, DISTANT Ins. transvaal.

Rihana operculissima Mexico, *digueti* Lower California, DISTANT (156) Ann. Mag. Nat. Hist. **17, spp. n.**

Rustia dentivitta (125) f. 55, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Sawda? vitiensis Fiji, DISTANT (12) Entomologist London **29. sp. n.**

Scieroptera splendidula (159) f. 70, DISTANT Faun. Brit. Ind. Rhynchot. **3.**—*S. sarasinorum* **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (112)

Sena querula (137) f. 58, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Stagira viridula pl. xvi f. 21, DISTANT (178) Ins. transvaal.

Talainga binghami (151) f. 66, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Taipinga nigricans pl. xvi f. 5, *consobrina* f. 19, *fuscata* f. 3, DISTANT (177) Ins. transvaal.—*T. fuscata, consobrina,* Transvaal, DISTANT (386) Ann. Mag. Nat. Hist. **17, spp. n.**

Tanna insignis Java (157), *pallida* Borneo (158); DISTANT T.c., **spp. n.**

Terpnosia psecas (126) f. 56, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Tettigades varivenosa Argentina, DISTANT (152) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*T. ulnaria* Chili, DISTANT (64) Entomologist London 1906, **sp. n.**—*T. lebruni* Patagonia, DISTANT (385) Ann. Mag. Nat. Hist. **17, sp. n.**

Tibicen septendecim, MARLATT Washington D.C. Circ. U. S. Dept. Agric. Bur. Ent. No. **74** 1906 (1–5).

Tosena mearesiana (75) f. 39, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Ueana maculata New Caledonia, DISTANT (385) Ann. Mag. Nat. Hist. **17, sp. n.**

Zouga **gen. n.** near *Psilotympana, typica* **sp. n.** Transvaal pl. xvi f. 18, DISTANT (176) Ins. transvaal.

(*Cicada townsendii* Arizona and New Mexico UHLER, Ent. News **16** 1905 (74–77, sp. n.)

(*Dundubia spiculata* NOUALHIER, Mission Pavie **3,** sp. n.)

(*Gaeana paviei* NOUALHIER, T.c.)

(*Mogannia saucia* NOUALHIER, T.c. sp. n.)

(*Platypleura arminops* NOUALHIER, T.c. sp. n.)

FULGORIDAE.

Monograph of *Issides*; MELICHAR Wien Abh. Zool. Bot. Ges. **3** Heft 4 (1–327) 75 figs.

Leaf-hoppers and their natural enemies, PERKINS Honolulu exp. Stat. Bull. **1** (i–xxxii).

Leaf-hoppers and their natural enemies. Pt. 9. KIRKALDY Honolulu Exp. Stat. Bull. **1** 1906 (269–479) plates xxi–xxxiii.

Acmonia fiebrigi, Paraguay, *crowleyi* Brazil; DISTANT (201) Ann. Mag. Nat. Hist, **18, spp. n.**

Acrisius muscarius Germ. (as *Issus*) (=*Cadrela nigronervosa* Sign.) (223); *A. fasciatus* Brasilien (224), *inornatus* Peru (225), **spp. n.**; MELICHAR Wien Abh. Zool. Bot. Ges. **3** Heft **4.**

Acrometopus subfasciatus Dahomey, *semiglobularis* Delagoa-Bai, **spp. n.**, MELICHAR T.c. (239).

Alaruasa **gen. n.** type *Poiocera lepida* Spin., DISTANT (199) Ann. Mag. Nat. Hist. **18.**

Alcathous facialis (197) f. 85, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Alphina fryi Brazil, DISTANT (194) Ann. Mag. Nat. Hist. **18, sp. n.**

Aluntia ramosa (241) f. 105, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Amnisa verticalis Brazil, MELICHAR (257) Wien Abh. Zool. bot. Ges. **3** Heft 4, **sp. n.**

Anaya **gen. n.** type *Flatoides mesochlora* Walk. fig. 239 (447); *spectra* **sp. n.** Andaman islands (448); DISTANT Faun. Brit. Ind. Rhynchota **3.**

Ancyra appendiculata (225) f. 91 DISTANT T.c.

Anecphora torrida Walk. (as *Aphaena*) = (*olivacea* Schmidt); DISTANT (192) Ann. Mag. Nat. Hist. **18.**

Aneipo **gen. n.** *Achilidae, diva* **sp. n.** Queensland, KIRKALDY (325) Honolulu Exp. Stat. Bull. **1.**

Anggira **gen. n.** *Phromniaria, typica* **sp. n.** South India fig. 207, DISTANT (403) Faun. Brit. Ind. Rhynchota **3.**

Anila **gen. n.** *Cixiinae*, (260), *culiginosa* **sp. n.** Burma (261); DISTANT T.c.

Aphaena tullia **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (133).

Aphana atomaria (203) f. 88, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Aphanophantia **gen. n.** near *Gyaria* (458), *cuscuticida* **sp. n.** Sydney (459), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Aphanophrys cf. *Varcia.*

Aphelonema simplex Uhler, Umänderung in *Peltonotellus*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft **4** (34).

Aphrodisias **nom. n.** for *Compsoptera* Stål, KIRKALDY (248) Entomologist 1906.

Argeleusa **gen. n.** near *Francesca, kurandae* **sp. n.** Queensland, KIRKALDY (423) Honolulu Exp. Stat. Bull. **1.**

Aristyllis **gen. n.** *Achilidae* (418), *aristyllis, omphale*, (419), *adippe* (420), **spp. n.**, Queensland, KIRKALDY T.c.

Aspidonitys bipunctata (200), *taeniata* (202), Kongo, **spp. n.**, SCHMIDT Stettiner ent. Ztg. **67.**—*A. admirabilis* Brit. E. Africa, DISTANT (205) Ann. Nat. Hist. **18, sp. n.**

Astorga **gen. n.** *Dictyophorinae, saccharicida* **sp. n.** Queensland, KIRKALDY (395) Honolulu Exp. Stat. Bull. **1.**

Astracis indica (450) f. 240, *emersoniana* (=*latifasciata* Mel.) (452) f. 241, *perplexa* (455) f. 244, *fimbria* (457) f. 247; *consanguinea* Ceylon (453) f. 242, *moelleri* (454) f. 243, *himalayana* (455), North India, *insularis* Andaman islands (458), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Augila binghami Tenasserim, DISTANT 336) f. 168 T.c., **sp. n.**

Barma **gen. n.** *Cixiinae, diversa* **sp. n.** Tenasserim f. 121; including also *Cixius finitus* Walk.; DISTANT (266) T.c.

Baruna **gen. n.** (283), *albosignata* **sp. n.** (284) f. 133, DISTANT T.c.

Basileocephalus **gen. n.** *Derbidae, thaumatonotus* **sp. n.** Queensland, KIRKALDY (429) Honolulu Exp. Stat. Bull. **1.**

Benella **gen. n.** *Achilidae, aliena* **sp. n.** Sydney, KIRKALDY (420) T.c.

Bergiella **gen. n.** (40), *nigra* Buenos Aires **sp. n.** (41), MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4.

Bisma **gen. n.** *Lophopinae* (322), *greeni* **sp. n.** Ceylon (323) f. 158; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Bochana **gen. n.** type *Phalaenomorpha parva* Kirby, fig. 251 (463), *nebulosa* **sp. n.** Ceylon (464) f. 252; DISTANT T.c.

Brachyceps **nom. n.** for *Brachycephalus* Sign., KIRKALDY (248) Entomologist 1906.

Brahmaloka **gen. n.** *Issinae*, *bowringi* **sp. n.** Assam fig. 170, DISTANT (337) Faun. Brit. Ind. Rhynchota **3.**

Brixia tortriciformis f. 124; *albomaculata* (271), *flavomaculata* (272), **spp. n.**, India, DISTANT T.c.

Brixioides carinatus (328) f. 162, DISTANT T.c.

Bruchomorpha globosa Nordamerika, *suturalis* Colorado and Texas, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (24).

Bruchoscelis **gen. n.** für *Caliscelis peculiaris* Horv.; MELICHAR T.c. (26).

Bythopsyrna circulata (412) f. 213, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Calamister **gen. n.** *Cixiinae* (402), *obscurus* **sp. n.** Queensland (403), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Caliscelis eximia (324) f. 167, DISTANT Faun. Brit. Ind. Rhynchota **3.**—*C. chinensis* **sp. n.** China, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (16).

Calyptoproctus confusus Guatemala (195), *coloratus* (196), *fuscipennis* (197), Ecuador; DISTANT Ann. Mag. Nat. Hist. **18, spp. n.**

Capelopterum **gen. n.** *bimaculatum* Neu Guinea (212), *dohrni* Soekaranda (211), *punctatellum* Salomons-Inseln (212), *torpidum* Balabac (213), **spp. n.**, und *Hysteropterum informe*, *sellatum* and *spissum*, MELICHAR Wien Abh. ZoolBot. Ges. **3**, Heft 4.

Carolus **gen. n.** near *Cixius crispus* **sp. n.** Sydney, KIRKALDY (401) Honolulu Exp. Stat. Bull. **1.**

Cathedra Kirk. = (*Pristiopsis* Schmidt), KIRKALDY (155) Canad. Ent. **38**; *Cathedra* Kirk. = (*Pristiopsis* Schmidt), DISTANT (20) Ann. Mag. Nat. Hist. **18.**

Centromeria speilinea (250) f. 110; *cephalica* Nilgiri hills (251), *simulata* Assam (252), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Cerynia maria (409) f. 210, DISTANT T.c.

Chaturbuja **gen. n.** (405) type *Poeciloptera comma* Walk. (406) f. 209); DISTANT T.c.

† *Cixiites* **gen. n.** (498), *liasinus* **sp. n.** Lias Mecklenburg (499), HANDLIRSCH Fossil. Ins.

† *Cixioides* **gen. n.** for *Cixia maculata* Gieb., HANDLIRSCH (640) T.c.

Cixius pilifer (260) f. 115, DISTANT Faun. Brit. Ind. Rhynchota **3.**—*C. flavisigna* Walk. cf. *Magadha.*—*C. dotatus* cf. *Mundopa*; *C. finitus* cf. *Barma.*

Cladypha boliviana S. America, DISTANT (349) Ann. Mag. Nat. Hist. **18, sp. n.**

Colobesthes falcata (424) f. 222, DISTANT Faun. Brit. Ind. Rhynchota **3,** *C. marginata* cf. *Daksha.*

Compsoptera cf. *Aphrodisias.*

Conosimus angustipennis **sp. n.** Argentinien, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (109).

Copidocephala St. = (*Coanaco* Dist.), KIRKALDY (248), Entomologist 1906.—*C.* (*Coanaco* Dist.); *C. merula* Colombia **sp. n.**; DISTANT (23) Ann. Mag. Nat. Hist. **18.**

Copsyrna = (*Paramelicharia* Kirk.) (409), *maculata* (410) f. 211, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Corethrura fuscovaria (322) f. 157, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Cryptoflata guttularis (435) f. 229, DISTANT T.c.

Cynthila cf. *Prolepta.*

Cyrene guttulata Westw., *inermis* Stål, *mucronata* Stål, *telifera* Walk., *foliacea* Stål, transferred to *Tonga*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (252).

Cythna **gen.n.** *Achilidae*, *laon* **sp. n.** Queensland, KIRKALDY (423) Honolulu Exp. Stat. Bull. **1.**

Daksha **gen. n.** type *Colobesthes marginata* Walk. fig. 223, DISTANT (425) Faun. Brit. Ind. Rhynchota **3.**

Danavara **gen. n.** (404) type *Poeciloptera tennentina* (405) fig. 208; DISTANT T.c.

Danepteryx lurida **sp. n.** Kalifornien, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (175).

Dardus immaculatus **sp. n.** Queensland, KIRKALDY (446) Honolulu Exp. Stat. Bull. **1.**

Delia **gen. n.**, *deserta* **sp. n.** Sumatra, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (265).

Delphacissa **subg. n.** of *Delphacodes*, type *uncinata*, KIRKALDY (155) Canad. Entomol. **38.**

Delphacodes cf. *Delphacissa ; D. melichari* nom. n. for *Liburnia fumipennis* Mel., *annae* nom. n. for *Delphax concinna* Fieb., *taprobanensis* nom. n. for *L. pallidula* Mel., *sinhalanus* nom. n. for *L. frontalis* Mel., *kahavalu* nom. n. for *Delphax venosus* Motsch., KIRKALDY (156) Canad. Entomol. **38.**

Delphax conwentzi **sp. n.** Deutschland, MATSUMURA (80) Danzig Schr. natf. Ges. **11.**

Derbe carnosa Westw. cf. *Drona.*

Detya **gen. n.** *Nogodinaria* (387), *fusconebulosa* **sp. n.** Tenasserim (388) f. 199 ; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Devadanda **gen. n.** *Derbinae* (315), *pectinata* **sp. n.** Tenasserim (316) ; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Devagama **gen. n.** *Issinae* (347), *rana* fig. 178, *venosa*, **spp. n.**, India, (348) ; DISTANT T.c.

Diareusa conspersa **sp. n.** Ecuador, SCHMIDT (375) Stettiner ent. Ztg. **67.**

Dichoptera hyalinata (238) f. 103, DISTANT Faun. Brit. Ind. Rhynchota **3.**— *D. strigivitta* Walk. = (*nubila* Dist.) ; DISTANT (349) Ann. Mag. Nat. Hist. **18.**

Dictyophara ; synonymy (350–353) ; *D. concolor* Walk. hab. is N. Australia (352) ; *D. atbarae* Abyssinia, *dixoni*, *cummingi*, India, (351), *prognatha* Queensland (352), **spp. n.** ; DISTANT T.c. —*D. nilgiriensis* India (242) **sp. n.** ; *lineata* (245) f. 106 ; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Dictyopharina viridissima (253) f. 111 ; *consanguinea* **sp. n.** Burma (253) ; DISTANT T.c.

Dictyssa areolata, *clathrata* (164), *fusca* (163), *marginepunctata* (164), *mutata* (165), **spp. n.**, Kalifornien, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft. 4.

Drona **gen. n.** type *Derbe carnosa* Westw. (305) f. 146, *pennata* **sp. n.** Tenasserim (306) ; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Druentia = (*Pyrgoteles* Gerst.), *D. variegata* = (*Enchophora sicca* Walk. = *Belbina sicca* Stål = *P. cristatus* Karsch) ; DISTANT (21) Ann. Mag. Nat. Hist. **18.**

Duriopsis **gen. n.** für *Durium costale*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (243).

Durinm caffrum Stål, Umänderung in *Acrometopus*, MELICHAR T.c. (240).

Duroides **gen. n.** (241), *costatus*, *globosus*, *planifrons*, **spp. n.**, Südamerika, (242), MELICHAR T.c.

Echetra Walk. = *Rhonicia* Stål = *Amilavaca* Dist.) ; DISTANT (193) Ann. Mag. Nat. Hist. **18.**

Ectopiopterygodelphax **gen. n.** *Asiracidae*, *eximius* **sp. n.** Queensland, KIRKALDY (412) Honolulu Exp. Stat. Bull. **1.**

Ecuadoria **gen. n.** near *Enhydria* (21), *dichopteroides* **sp. n.** Ecuador (22) ; DISTANT Ann. Mag. Nat. Hist. **18.**

Eddara Walk. = (*Glagovia* Stål) : *E. catenaria* **sp. n.** E. Africa ; DISTANT (30) Ann. Mag. Nat. Hist. **18.**

Elasmoscelis platypoda (318) f. 155, DISTANT Faun. Brit. Ind. Rhynchota **3**, *E. radians* cf. *Pitambara.*

Enchophora nigromaculata Bolivia, DISTANT (23) Ann. Mag. Nat. Hist. **18**, **sp. n.**

Engela **gen. n.** (415), for *E. minuta* **sp. n.** South Africa (416), DISTANT Cape Town Trans. S. Afric. Phil. Soc. **16** (415).

Enipeus cribratus Cayenne, *gibbifrons*, *notatus*, Brasilien, **spp. n.**, MELICHAR Wien. Abh. ZoolBot. Ges. **3** Heft. 4 (260).

Epitemna lacteoplaga **sp. n.** Kongo, SCHMIDT (203) Stettiner ent. Ztg. **67.**

Epithalamium **gen. n.** near *Armacia*, *aziola* **sp. n.** Sydney, KIRKALDY (451) Honolulu Exp. Stat. Bull. **1.**

Epora subtilis Walk. nec. Melichar (283) f. 132 ; *melichari* **sp. n.** for *subtilis*

Mel. (285); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Erana cf. *Vinata*.

Erilla **gen. n.** near *Birdantis*, *turneri* **sp. n.** Queensland; DISTANT (28) Ann. Mag. Nat. Hist. **18**.

Eriphyle longifrons Stål, *E. paradoxa*, Umänderung in *Trienopa*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (229).

Eucameruna **gen. n.**, *granulosa* **sp. n.** Gabun, MELICHAR T.c. (248).

Eumelicharia **nom. n.** for *Walkeria* Mel., KIRKALDY (156) Canad. Entomol. **38**.

Euphria aurantia (208) f. 90; *apicata* Sikkim (209), *consanguinea*, *burmanica*, *relata*, India, (210), *dissimilis* Tenasserim (211), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota **3**.—*E. najas* (191), *nigrotibiata* (189), Tonkin, **spp. n.**, SCHMIDT Stettiner ent. Ztg **67**.

Euricania ocellus (385) f. 197, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Eurinopsyche **gen. n.** for *Fulgora obscurata* Fabr., KIRKALDY (389) Honolulu Exp. Stat. Bull. **1**.

Euronotobrachys **gen. n.** near *Olonia*, *arcuata* (446), *plana* (447), Queensland, **spp. n.**, KIRKALDY T.c.

Eurybrachys lepelletieri (220) f. 94; *E. manifesta* **sp. n.** Nilgiri hills (221); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Eurynomeus **gen. n.** near *Phrygia*, *australiae* **sp. n.** Queensland, KIRKALDY (422) Honolulu Exp. Stat. Bull. **1**.

Euryphantia **gen. n.** *Ricaniinae*, *cinerascens* **sp. n.** Queensland, KIRKALDY (456) T.c.

Eurystheus perkinsi **sp. n.** Queensland, KIRKALDY (389) T.c.—*E. doddi*, *clementi*, (19), *pallescens* (20), W. Australia, DISTANT Ann. Mag. Nat. Hist. **18**, **spp. n.**

Eutropistidae fam. n.? for *Tropiduchida* Stål, KIRKALDY (413) Honolulu Exp. Stat. Bull. **1**.

Farona fuscipennis (445) f. 237, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Faventia pustulata (287) f. 135, DISTANT T.c.

Flata ocellata (428) f. 225, DISTANT T.c.

Flatoides mesochlora cf. *Anaya*.

Flavina granulata f. 185; *F? striata* Tenasserim **sp. n.** (357); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Francesca **gen. n.** *Achilidae*, *saleminophila* **sp. n.** Queensland, KIRKALDY (424) Honolulu Exp. Stat. Bull. **1**.

Frutis pulchra (235) f. 101, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Fulgora candelaria (184) f. 82, *rogersi* **sp. n.** Nicobar islds. (190), *clavata* (191) f. 83; DISTANT T.c.

†*Fulgoridium* **gen. n.** (496), *pallidum*, *venosum*, *germanicum*, (497), *latum*, *liadis*, *lapideum*, (498), **spp. n.**, Lias Mecklenburg, HANDLIRSCH Fossil. Ins.

Gaetulia nigrovenosa (394) f. 203, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Gaja **gen. n.**, *definitiva* fig. 248 (460), *facialis* (462) f. 250, **spp. n.**, Ceylon, and including *Phalaenomorpha inconspicua* Kirby (461) f. 249; DISTANT T.c.

Galela **gen. n.** near *Birdantis* (26), *abdominalis*, *parva*, **spp. n.**, Australia, (27); DISTANT Ann. Mag. Nat. Hist. **18**.

Gamergomorphus **gen. n.**, *angustipennis* **sp. n.** Kapland, MELICHAR Wien Abh. zool.-bot. Ges. **3** Heft 4 (175).

Gamergus africanus Transvaal, *sinuatipennis* Kapland, **spp. n.**, MELICHAR T.c. (173).

Gebenna sylvia (215) f. 92, DISTANT Faun. Brit. India Rhynchota **3**.

Gelastissus **gen. n.** near *Peltonotellus*, *albolineatus*, (441), *histrionicus*, *suffusus*, (442), Queensland, **spp. n.**, KIRKALDY Honolulu Exp. Stat. Bull. **1**.

Gelastocephalus **gen. n.** *Cixiinae*, *ornithoides* **sp. n.** Sydney, KIRKALDY (402) T.c.

Gelastodelphax **gen. n.** near *Peregrinus*, *histrionicus* **sp. n.** Queensland, KIRKALDY (411) T.c.

Gelastopsis **gen. n.** *Eurybrachinae* (447), *insignis* **sp. n.** Queensland (448), KIRKALDY T.c.

Gelastyra decipiens Perak, *diversa* Tenasserim, *latifrons* Sumatra, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (264).—*G. spectans* Walk. (as *Issus*) = (*Cibyra testudinaria* Stål.), MELICHAR (263) T.c.

Gergithus carbonarius (65) Yokohama, *cribratus* (64) Ceylon, *gravidus* (61) Tonkin, *ignotus* (66) Pegu, *lineolatus* (60) Sumatra, *pigrans* Key-Insel, *rugulosus* Perak, (64), *signatifrons* (60), Sumatra, *vidulus* (62) Sudafrika, **spp. n.**, MELICHAR T.c.

Givaka **gen. n.** *Issinae* (344), *hampsoni* **sp. n.** Nilgiri hills (345) f. 175; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Gomeda **gen. n.** (443) for *Phalaenomorpha abdominalis* Kirby (444) f. 236; DISTANT T.c.

Hadeodelphax **gen. n.** near *Stenocranus*, *pluto* **sp. n.** Queensland, KIRKALDY (410) Honolulu Exp. Stat. Bull, **1.**

Hansenia glauca (411) f. 212, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Hasta **gen. n.** *Dictyophorinae*, *hastata*, (394), *paupera* (395), **spp. n.**, Queensland, KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Heinsenia **gen. n.** (245), *cribrifrons* (246) Usambara, *fatua* Ost-afrika *laevifrons*, Sansibar, *nigrovenosa* Ostafrika, (247), **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4.

Hemisphaerius bigeminus Birma (96), *bipunctatus* Malakka (96), *celebensis* Celebes (95), *chloris* Key-Insel (87), *chlorophanus* Phillippinen (86), *cinctus* Carin-Cheba (91), *corvinus* Key-Insel (76), *elegantulus* Halmahera (77), *flavovariegatus* Ostindien (79), *frontalis* Südindien (87), *gagatus* Celebes (75), *geminatus* Celebes (79), *alutaceus* Java (89), **spp. n.**; *bipustulatus* Walk., *chilocorides* Walk., *contusus* Walk., *herbaceus* Kirby, *schaumi* Stål, *secundus* Melich., *variabilis* Butl., *walkeri* Butl., Umänderung in *Gergithus*; MELICHAR Wien Abh. Zool-Bot. Ges. **3** Heft **4** (63, etc.). *laterittatus* Walk., Umänderung im *Herophila* MELICHAR, T.c. (57); *ardus* Celebes (90), *biarcuatus* Sula-Besi (79), *imitatus* Sumatra (88), *impexus* Sumatra, etc. (89), *javanensis* Java (88), *lygaeus* Mentawei-Insel etc. (74), *maculatus* Borneo (86), *maculipes* Sumatra (86), *morio* Engano (75), *nigritus* Deutsch-Neuguinea (76), *nigrolimbatus* Neu-Guinea (91), *ruficeps* Birma (74), *similis* Neu-Gulnea (81), *submaculatus* Sumatra (85); MELICHAR T.c., **spp. n.**—*H. ruforarius* (359) f. 187; *testaceus*, *virescens*, Tenasserim, (360), *nilgiriensis*, *reticulatus*, (361), *elongatus* (362), Nilgiri hills, *venosus* Tenasserim (363), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Hemisphaeroides aeneoniger (364) f. 188, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Heronax **gen. n.** *Derbidae*, *parnassius*, (431), *saccharivora* (432), Queensland, **spp. n.**, KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Hilavrita **gen. n.** near *Flata* (432), *trimaculata* **sp. n.** Ceylon (433) f. 227; and including *Ormenis fatua* Mel.; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Holodictya schroederi Nairobi **sp. n.**, SCHMIDT (198) Stettiner ent. Ztg. **67.**

Homalocephala festiva (199) f. 86, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Homaloplasis **gen. n.**, *aprica* **sp. n.** Oran, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (27).

†*Homopterites* **gen. n.** (499), *anglicus* **sp. n.** Lias England (400), HANDLIRSCH Fossil. Ins.

Hotinus cultellatus Walk. = (*Fulgora bicolor* Schmidt) and *Fulg. cardinalis* Butl. = (*cardinalis* Schmidt) referred to *Saiva*, DISTANT (20) Ann. Mag. Nat. Hist. **18.**

Hycterodus cuniceps **sp. n.** Dalmatien, etc., MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (108).

Hysteroptissus **gen. n.** (97), *conspergulus* **sp. n.** Neu-Guinea (98), MELICHAR T.c.

Hysteropterum fowleri **nom. n.** für *H. montanum* Fowl. (149); *punctulatum* **nom. n.** für *H. germari* Fieber (137); *H. angustum* Mediterranean (130), *assimile* Kleinasien (140), *cornutum* Kalifornien (147), *curtulum* Spanien (121), *dubium* Canaren (131), *guadarramense* Spanien (126), *horvathi* Kilimandjaro (153), *maculipes* Triest &c. (141), *moschi* Deutsch-Ostafrika (152), *pallidum* Algier (127), *pictifrons* Armenien (140), *placophorum* (Horv.) Asia minor (135), *semipellucidum* Paraguay (147), *signatipes* Algier (121), *syriacum* Syria (145), *vibex* Ostafrika (154); MELICHAR Abh. zool. bot. Ges. Wien **3** Heft 4, **spp. n.**

Hysteropterum gibbipenne Walk. Umänderung in *Acrisius* MELICHAR, Wien Abh. ZoolBot. Ges. **3** Heft 4 (224).—*H. placophorum. assimile*, Asia

minor, HORVÁTH (188) Wien Ann. Nat. Hist. Hofmus. **20**, **spp. n.**—*H. subfasciatum* (341) f. 173, DISTANT Faun. Brit. Ind. Rhynchota **3.**—*H. informe* Walk., *sellatum* Mel., *spissum* Walk. Umänderung in *Capelopterum*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (213).—*H. sellatum* cf. *Narayana.*—*H. fusculum* Mel., *subfasciatum* Mel., Umänderung in *Sarima*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (302).—*H. semivitreum* Prov. Umänderung in *Dictyssa*, MELICHAR T.c. (165).

Hysterosphaerius **gen. n.**, *sexpunctatus* **sp. n.**, Singapore, MELICHAR (98) T.c.

Interamma rubrofasciata (307) f. 147, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Isobium **gen. n.**, *gibbosum* **sp. n.** Madagascar, MELICHAR Wien Abh. Zool. Bot. Ges. **3** Heft 4 (218).

Issina **gen. n.** (209), *suturalis* **sp. n.** Java (210) MELICHAR T.c.

Issomorphus **gen. n.** (292), *maculatus* Nordamerika, *prociduus* Costarica, **spp. n.**, (293), MELICHAR T.c.

Issoscepa **gen. n.** (204) *Amphiscepa nodipennis* Germ.; *I. camelus* Chile, *nana* Brazilien, (217), *nodosa* (216) Brazilien, *quadrituberculata* Südamerika (217), **spp. n.**, MELICHAR T.c.

Issus biforis Germ., *colombiae* Walk., *ellipticus* Germ., *herbaceus* Spinola, *longipennis* Spinola, *prasinus* Spinola, *rubrocostatus* Spinola, *simplex* Germ., *varius* Walk. Umänderung in *Thionia*, MELICHAR Wien Abh. Zool. Bot. Ges. **3** Heft 4 (275).—*I. acutus* Walk., to *Syrgis* (308), *I. longulus* Lethierry to *Thionia* (286), *I. ovatipennis* Walk. to *Picumna* (290), *I. infixus* Walk. to *Enipeus* (260), *I. herbidus* Walk. *piceus* Walk. *I. viridis* Montr. to *Tylana*, (206),; *I. bellardi* (188) Cypern, *canariensis* (190) Tenerife, *caucasicus* (186) Thanathol, *fieberi* (191) Cypern, **spp. n.**; *I. auroreus* Uhler & *algiricus* Lucas to *Hysteropterum* (148); MELICHAR Wien Abh. Zool. bot. Ges. **3** Heft. 4.—*I. vulturnus*, *sidnicus* (437), *ridicularius*, *elongatulus* (438), Australia, KIRKALDY Honolulu Exp. Stat. Bull. **1**, **spp. n.**—*I. lineatus* cf. *Nilalohita.*

Ityraea ferruginea (208), *henkei* (206), Kongo, **spp. n.**, SCHMIDT Stettiner ent. Ztg. **67.**

Jada **gen. n.** *Derbinae* (299) for *Thracia nitagalensis* Kirb. fig. 144; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Jagannata **gen. n.** *Issinae*, *chelonia* fig. 171 (338), *maculata* (339), **spp. n.**, Tenasserim; DISTANT T.c.

Jamaicastes baroni Ecuador, *steinbachi* Bolivia; DISTANT (199) Ann. Mag. Nat. Hist. **18**, **spp. n.**

Jamella **gen. n.** *Phalaenomorphini*, *australiae* **sp. n.** Queensland, KIRKALDY (460) Honolulu Exp. Stat. Bull. **1.**

Jivatma **gen. n.** *Lophopinae* (328), *metallica* **sp. n.** Tenasserim (329) f. 163; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Kaha **gen. n.** *Derbidae* (433), *perfecta* **sp. n.** Queensland (434), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Kalidasa lanata Dr. (as (*Cicada*) = (*Aphaena albiflos* Walk.); the habitat is E. India not Jamaica; DISTANT (195) Ann. Mag. Nat. Hist. **18.**—*K. sanguinalis* (212) f. 91, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Kalpa **gen. n.** *Delphacinae*, *aculeata* **sp. n.** Ceylon fig. 261; DISTANT (474) T.c.

Kamendaka **gen. n.** *Derbinae* (310), *spectra* f. 151, *fuscofasciata*, **spp. n.**, Ceylon, (311); DISTANT T.c.

Karna **gen. n.** near *Hiracia* (274), *karenia* **sp. n.** Burma (275) f. 126; DISTANT T.c.

Kasserota **gen. n.** type *Acarna notaticollis* Stål; *K. doreyensis* **sp. n.** New Guinea; DISTANT (350) Ann. Mag. Nat. Hist. **18.**

Kermesia albida (309) f. 149, DISTANT Faun Brit. Ind. Rhynchota **3.**

Ketumala **gen. n.** for *Seliza bisecta* Kirby fig. (238), DISTANT (446) T.c.

Kinnara **nom. n.** for *Pleroma* Mel. (289), *albiplaga* **sp. n.** Ceylon (290); DISTANT T.c. *K.* **nom. n.** for *Pleroma* Mel., DISTANT (8) Entomologist London **29.**

Kirbyana **nom. n.** for *Kirbya* Mel. (262), *pagana* (263) f. 118; DISTANT Faun. Brit. Ind. Rhynchota **3.** *Kirbyana* = (*Kirbyella* Kirk.) DISTANT (274) Entomologist 1906.

Kirbyella **nom. n.** for *Kirbya* Mel., KIRKALDY (248) Entomologist 1906.

Kosalya **gen. n.** *Cixiinae* (292), *flavostrigata* **sp. n.** Burma f. 140 (293); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Kusuma **gen. n.** *Lophopinae* (329), *carinata* **sp. n.** India (330) f. 164; DISTANT T.c.

Kuvera **gen. n.** *Cixiinae, semihyalina* **sp. n.** Burma f. 117; DISTANT (261) T.c.

Lacusa fuscofasciata (324) f. 159, DISTANT T.c.

Lamenia kulia (403), *hiva* (404), Queensland, KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**

Lawana **nom. n.** for *Phyma* Mel. (420), *conspersa* (421) f. 220; *radiata* Cachar, *L.* ? *bicarinata* Bhutan, **spp. n.**, (221); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Leusaba rufitarsis (281) f. 130 distinguished from *marginalis* Walk.; DISTANT T.c.

Levu **gen. n.** near *Paricana, vitiensis* **sp. n.** Viti islands, KIRKALDY (434) Honolulu Exp. Stat. Bull. **1**.

Limois westwoodi (200) f. 87, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Lipocallia **gen. n.** near *Neaethus* (440), *australensis* **sp. n.** Sydney (441), KIRKALDY Honolulu Exp. Stat. Bull. **1**.

Lollius angustifrons, acutipennis, Queensland, **spp. n.**, KIRKALDY (439) T.c. —*L. fuscus*, Engano (195), *gratiosus* Neu-Guinea (194), *transversus* Mentawei (196), **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4.

Loxocephala aeruginosa (232) f. 99, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Lucinda **subgen. n.** vide *Thanatodictya*.

Lycorma imperialis (206) f. 89, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Magadha **gen. n.** (290) type *Cixius flavisigna* Walk. fig. 138; *nebulosa* **sp. n.** Ceylon (291); DISTANT T.c.

Majella **gen n.**, *Achilidae, majella* **sp. n.** Queensland, KIRKALDY (421) Honolulu Exp. Stat. Bull. **1**.

Malfeytia monteiri Angola, DISTANT (193) Ann. Mag. Nat. Hist. **18, sp. n.**

Mongola **gen. n.**, *reticulata* Deutsch-Ostafrika, *sinuata* Kilimandjaro, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (159).

†*Margaroptilon* **gen. n.** *brodiei, woodwardi, bulleni*, **spp. n.**, Lias England, HANDLIRSCH (499) Fossil. Ins.

Massila walkeri (459), *sidnica* (460), Australia, KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**

Matacosa **gen. n.** near *Scaralis* for *Domitia miscella* Dist.; DISTANT (198) Ann. Mag. Nat. Hist. **18**.

Melandeva **gen. n.** *Cixiinae, ocellara* **sp. n.** Assam f. 123, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Melicharia lutescens (431) f. 226, DISTANT T.c.

Messena pulverosa (226) f. 96, DISTANT T.c.—*M. mouhoti* Cambodia, DISTANT (203) Ann. Mag. Nat. Hist. **18, sp. n.**

Metaphaena tricolor ♂, SCHMIDT (196) Stettiner ent. Ztg. **67**.

Metoponitys pennatus Sierra Leone, DISTANT (205) Ann. Mag. Nat. Hist. **18, sp. n.**

Miasa rubrovittata **sp. n.** Sumatra and Java (284), SCHMIDT Stettiner ent. Ztg. **67**.

Miasa **gen. n.** (247) for *Dictyophora smaragdilinea* Walk. figured (248) f. 108, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Mimophantia australensis **sp. n.** Queensland, KIRKALDY (458) Honolulu Exp. Stat. Bull. **1**.

Monteira **gen. n.** *corniculata* **sp. n.** Damaraland, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (158).

Mundopa **gen. n.** *Cixiinae, cingalensis* (263) f. 119, *greeni*, Ceylon, *myittae*, (264), *dohertyi, fasciatus*, (265), Tenasserim, **spp. n.**; and including *Cixius dotatus* Walk.; DISTANT Faun. Brit. Ind. Rhynchota **3**.

Myrilla nigromaculata Waigion **sp. n.**, SCHMIDT (196) Stettiner ent. Ztg. **67**.—*M. papuana, semihyalina*, New Guinea, DISTANT (29) Ann. Mag. Nat. Hist. **18, spp. n.**

Naaethus fenestratus, grossus, maculatus, (167), *nigronervosus* (168), Nordamerika, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (167).

Nakta **gen. n.** near *Flata, stoliczkana* **sp. n.** Sind, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Narayana **gen. n.** *Issinae*, *rusticitatis* fig. 179, (349), *piceipennis* Ceylon, *umbrosa* Nilgiri hills, (350), **spp. n.**; including also *Hysteropterum sellatum* Mel.; DISTANT T.c.

Naso fitchii **sp. n.** Colorado, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (19).

Nematophora Schaum = (*Simotettix* Stål), DISTANT (355) Ann. Mag. Nat. Hist. **18.**

Nesis tricolor fig. 100; *N. versicolor* **sp. n.** India; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Nicidus fusconebulosus (230) f. 97, DISTANT T.c.

Niculda **subgen. n.** vide *Thanatodictya.*

Nilalohita **gen. n.**, *curculioides* **sp. n.** Burma f. 186; including also *Issus lineatus* Walk.; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Nilaparvata **gen. n.** *Delphacinae*, *greeni* **sp. n.** Ceylon fig. 260; DISTANT (473) T.c.

Nisia grandiceps **sp. n.** Queensland, KIRKALDY (427) Honolulu, Exp. Stat. Bull. **1.**—*N. atrovenosa* (309) f. 150; *albovenosa* **sp. n.** Ceylon (310); DISTANT T.c.

Nubithia chilensis Chile **sp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (177).

Oliarus bouakeanus Ivory coast, KIRKALDY (155) Canad. Ent. **38, sp. n.**—*O. walkeri* (256) f. 113; *fusconebulosus* Burma (258), *punctipennis* India etc. (259), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota **3.**—*O. laertes*, *kampaspe*, *talunia*, (398), *asaica*, *felis*, *alexanor*, (399), *sponsa*, *phelia*, *lubra*, (400), Australia, KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**

Olonia picea **sp. n.** Queensland, KIRKALDY (445) Honolulu Exp. Stat. Bull. **1.**—*O. marginata* Queensland, DISTANT (206) Ann. Mag. Nat. Hist. **18, sp. n.**

Orgerius punctiger Asia minor, HORVÁTH (187) Wien Ann. Nat. Hist. Hofmus. **20, sp. n.**

Ormenis impunctata Madagaskar (210), *unispinosa* Ost-Afrika (212), **spp. n.**, SCHMIDT Stettiner ent. Ztg. 67.—*O. epilepsis* nom. n. for *marginata* Brünn., KIRKALDY (156) Canad. Entomol. **38.**—*O. fatua* cf. *Hilavrita.*

Oryxa truncata f. 233, doubtful identification; DISTANT (439) Faun. Brit. Ind. Rhynchota **3.**

Ossa venusta, *formosa*, **spp. n.**, Queensland, KIRKALDY (414) Honolulu Exp. Stat. Bull. **1.**

Padanda **gen. n.** *Lophopinae* (331), *atkinsoni* **sp. n.** Sikkim (332) f. 166; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Pamendanga **gen. n.** *Derbinae* (298) *rubilinea* **sp. n.** Tenasserim (299) f. 143; DISTANT T.c.

Paramelicharia cf. *Copsyrna.*

Parametopus **gen. n.** für *Acrometopum costalipenne* Stål., MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (244).

Paranipeus **gen. n.**, *latipes* **sp. n.** Brasilien, MELICHAR (261) T.c.

Paropioxys negus Abyssinia, DISTANT (204) Ann. Mag. Nat. Hist. **18, sp. n.**—*P. usambarae*, SCHMIDT (200) Stettiner ent. Ztg. **67.**

Pelidnopepla obscura Fabr. = (*Poiocera nigrifrons* Walk.), DISTANT (197) Ann. Mag. Nat. Hist. **18.**

Peltodictya **gen. n.** *Eutropistidae* (414), *kurandae* **sp. n.** Queensland (415), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Peltonotus histrionicus Stål, *P. raniformis* Muls. Rey, *scurrilis* Stål, Umänderung in *Peltonotellus*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (33).

Penthicodes = (*Synaphana*), DISTANT (274) Entomologist 1906.—*Penthicodes* valid as against *Aphaena*, *Aphana* and *Penthicus*; DISTANT (24) Ann. Mag. Nat. Hist. **18.**

Penthicus cf. *Synaphana.*

Perissus **gen. n.** für *Issus jakowleffi* Put., MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (113).

Perkinsiella graminicida Queensland, *vitiensis* Levuka, KIRKALDY (406) Honolulu Exp. Stat. Bull. **1, spp. n.**

Phacalastor **gen. n.** near *Peregrinus*, *pseudomaidis*, *koebelei*, **spp. n.**, Queensland, KIRKALDY (408) T.c.

Phaciocephalus **gen. n.** near *Nisia*, *vitiensis* **sp. n.** Viti islands, KIRKALDY (428) T.c.

Phaconeura **gen. n.** near *Nisia*, *froggatti*, *pallida* (428), **spp. n.**, Australia, KIRKALDY T.c.

Phalaenomorpha abdominalis cf. *Gomeda*; *P. inconspicua* cf. *Gaja*; *P. parva* cf. *Bochana*.

Phantasmatocera **gen. n.** *Derbidae* (430), *arborea* Queensland, *vitiensis* Viti islands, (431), **spp. n.**, KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Pharsalus **gen. n.** *repandus* **sp. n.** Brasilien (222), MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4.

Phenelia **gen. n.** near *Elidiptera* (421), *elidipteroides* **sp. n.** Queensland (422), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Phenice moesta f. 142; *superba* **sp. n.** Assam; DISTANT (297) Faun. Brit. Ind. Rhynchota **3.**

Philadelpheia **gen. n.** *Derbidae*, *pandani* **sp. n.** Queensland, KIRKALDY (432) Honolulu Exp. Stat. Bull. **1.**

Phrictus ocellatus Sign., SCHMIDT Stettiner ent. Ztg. **67** (373).

Phromnia marginella (398) f. 205, *viridula* (401) f. 206; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Phyllyphanta albopunctata (415) f. 215, *sinensis* (416) f. 216; *andamanensis* **sp. n.** Andaman islds. (414) f. 214; DISTANT T.c.—*P. acutipennis* cf. *Pulastya*.

Phyma basipunctata Madagaskar **sp. n.**, SCHMIDT (209) Stettiner ent. Ztg. **67.**—*Phyma* cf. *Lawana*.

Pibrocha egregia (240) f. 104, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Pisacha **gen. n.** *Nogodiniaria* (391), *naga* **sp. n.** Assam (392) f. 201; DISTANT T.c.

Pitambara **gen. n.** type *Elasmoscelis radians* Kirby (319) f. 156; *interrupta* Tenasserim, *undulata* Burma, (320), *sinuata* Tenasserim (321), **spp. n.**; DISTANT T.c.

Plagiopsis decorata **sp. n.** Buenos Aires, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (39).

Platybrachys oculata (443), *chlorocephala* (444), Australia, KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**—*P. barbata* Fabr. = (*Eurybrachys rubiginea* Walk.); DISTANT (206) Ann. Mag. Nat. Hist. **18.**

Pleroma cf. *Kinnara*.

Pochazia interrupta (371) f. 192, *fuscata* (373) f. 193; *confusa* = (*interrupta* Mel.) (371), *atkinsoni* (374), India, *triangularis* Ceylon (375), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Pochazoides nigromaculatus Madagascar **sp. n.**, SCHMIDT (204) Stettiner ent. Ztg. **67.**

Poeciloptera tenuentina cf. *Danavara*; *P. comma* cf. *Chaturbuja*.—*P. intracta* cf. *Unnata*.

Polydictya = (*Thaumastodictya*) (25); *P. crassa* Celebes, *illuminata* Sambawa, **spp. n.**, (26); DISTANT Ann. Mag. Nat. Hist. **18.**—*P. basalis* (216) f. 93, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Pristiopsis cf. *Cathedra*.

Privesa delecta fig. 198; *confinis* **sp. n.** Sind; DISTANT (386) Faun. Brit. Ind. Rhynchota **3.**

Prolepta Walk. = (*Cynthila* St.) KIRKALDY (249) Entomologist 1906.

Prosonoma **gen. n.** (235), *rugifrons* **sp. n.** Engano (236), MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4.

Pseudohemisphaerius **gen. n.** for *Hysteropterum piceum*, MELICHAR T.c. (99).

Pterilia ceylonensis (365) f. 189; *signata*, *piceata*, **spp. n.**, Ceylon, (366); DISTANT Faun. Brit. Ind. Rhynchota **3.**

Ptoleria arcuigera (266) f. 120, DISTANT T.c.

Pulaha **gen. n.** near *Phyllyphanta*, *contracta* **sp. n.** Nilgiri hills fig. 219; DISTANT (419) T.c.

Pulastya **gen. n.** type *Phyllyphanta acutipennis* Kirby (417) f. 217; DISTANT T.c.

Pundaluoya ernesti (468) f. 254; *simplicia* **sp. n.** Ceylon (468) f. 255; DISTANT T.c.

Purohita **gen. n.** *Delphacinae*, *cervina* **sp. n.** Ceylon fig. 257; DISTANT (470) T.c.

Purusha, characters (203); *P. rubromaculata* Siam **sp. n.** (204); DISTANT Ann. Mag. Nat. Hist. **18.**—*P. reversa* (236) f. 102, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Putala maculata South India **sp. n.**, DISTANT, (247) T.c.—*P. brachycephala*

Singapore, *lewisi* Japan; DISTANT Ann. Mag. Nat. Hist. **18, spp. n.**—*P. transvaaliensis* **sp. n.** Cape Town, DISTANT Trans. S. Afric. Phil. Soc. **16** (416).

Pyrops basibrunneus Kongo (185), *basilacteus* S. Africa (184), *schweizeri* Liberia (183), **spp. n.**, SCHMIDT Stettiner ent. Ztg. **67.**—*P. intricatus* Walk. = (*basilacteus* Schmidt); DISTANT (191) Ann. Mag. Nat. Hist. **18.**—*P. dohrni* (180) f. 81, *chennelli* **sp. n.** Assam (181); DISTANT Faun. Brit. Ind. Rhynchota 3.

Pyrrhoneura **gen. n.** *Derbidae* (434), *saccharicida* **sp. n.** Viti islands (435), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Pyrrhyllis **gen. n.** *Achilidae* (420), *pyrrhyllis* **sp. n.** Queensland, KIRKALDY (421) T.c.

Radamana **gen. n.** (194), *varicolor* **sp. n.** Madagascar (195); DISTANT Ann. Mag. Nat. Hist. **18.**

Radha acuminata (347) f. 177, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Remosa **gen. n.** type *Dictyophara cultellator* Walk., DISTANT (355) Ann. Mag. Nat. Hist. **18.**

Rhaba **gen. n.** *Dictyopharinae, fasciata* **sp. n.** S. Africa, DISTANT Cape Town Trans. S. Afric. Phil. Soc. **16** (417).

Rhinodictya **gen. n.** *Eutropistidae* (416), *quaesitrix* **sp. n.** Queensland (417), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Rhotana chrysonoe, haematoneura Queensland, KIRKALDY (435) T.c.—*R. fuscofasciata* f. 152, *trimaculata*, (312), Ceylon, *venosa* Tenasserim (313), DISTANT Faun. Brit. Ind. Rhynchota **3, spp. n.**

Ricania fenestrata (376) f. 194, *simulans* (378) f. 195; *mitescens* Mergui (377), *bicolorata* (378), *zebra* (379), India, **spp. n.**; DISTANT T.c.

†*Ricaniites* **gen. n.** for *Ricania fulgens* Brod., HANDLIRSCH (640) Fossil. Ins.

Ricanoptera mellerborgi (383) f. 196; *opaca* **sp. n.** Ceylon (384); DISTANT Faun. Brit.. Ind. Rhynchota **3.**

Rileya **gen. n.** (160), *reticulata* **sp. n.** Texas (161), MELICHAR Wien Abh. Zool-Bot. Ges. **3** Heft 4.

Rotunosa **gen. n.** type *Dictyophara indicanda* Walk., DISTANT (353) Ann. Mag. Nat. Hist. **18.**

Saiva **gen. n.** (192) type *Fulgora gemmata* Westw. (193) f. 84, *nodata* **sp. n.** India (193); DISTANT Faun. Brit. Ind. Rhynchota **3.**

Salemina **gen. n.** *Achilidae, francescophila* **sp. n.** Queensland, KIRKALDY (424) Honolulu Exp. Stat. Bull. **1.**

Salurnis marginellus (418) f. 218; *uniformis* **sp. n.** Burma (419); DISTANT Faun. Brit. Ind. Rhynchota **3.**

Samantiga **gen. n.** *Issinae, abdominalis* **sp. n.** fig. 180 Nilgiri hills; DISTANT (351) T.c.

Samsana **gen. n.** near *Prolepta* (20), *chersonesia* **sp. n.** Perak (21); DISTANT Ann. Mag. Nat. Hist. **18.**

Sardis **gen. n.** for *Phenice maculosa* Kr., KIRKALDY (433) Honolulu Exp. Stat. Bull. **1.**

Sarnus lucindae **sp. n.** Queensland, KIRKALDY (440) T.c.

Sarima illibata (343) f. 174; *cretata* **sp. n.** Ceylon (344); DISTANT Faun. Brit. Ind. Rhynchota **3.**—*S. amagisana* Sumatra (303), *bimaculata* Deutsch-Neuguinea (304), *castanea* Philippinen (302), *clathrata* Banguey (304), *nigroclypeata* Ostindien (302), *notata* Neu-Guinea (304), *separata* Mentawei (303), *solita* Perak (303); MELICHAR Wien Abh. Zool. bot. Ges. **3** Heft 4; **spp. n.**

Satapa **gen. n.** near *Colobesthes, sicula* Ceylon fig. 224, (426), *granulosa* Bombay (427), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota, **3.**

Scamandra clytaemnestra, selene, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (131–132).—*S. crinita* Sumatra (194), *sanguinae* Malacca (193), **spp. n.**, SCHMIDT Stettiner ent. Ztg. **67.**—*S. fasciata* Borneo (24), *varicolor* Bali (25); DISTANT Ann. Mag. Nat. Hist. **18, spp. n.**

Scaphoideus annae Ivory coast, KIRKALDY (154) Canad. Entomol. **38, sp. n.**

Scaralis versicolor Bolivia, DISTANT (197) Ann. Mag. Nat. Hist. **18, sp. n.**

Scarpantina bimaculata (422) f. 221, *modesta* (423), S. India; DISTANT Faun. Brit. Ind. Rhynchota **3, spp. n.**

Scolypopa kurandae **sp. n.** Queensland, KIRKALDY (450) Honolulu Exp. Stat., Bull. **1.**—*S. conradti* Kamerun **sp. n.**, SCHMIDT (205) Stettiner ent. Ztg. **67.**

Seliza ferruginea (441) f. 234, *truncata* (442) f. 235; DISTANT Faun. Brit. Ind. Rhynchota **3.**—*S. bisecta* cf. *Ketumala.*

Semissus **gen. n.** für *Issus acuminatus* Leth., MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (112).

Sephena rubida, hyacintha, cinerea, argus, Australia, KIRKALDY (457) Honolulu Exp. Stat. Bull. **1, spp. n**

Serida latens (325) f. 160, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Sialoscarta sumatrana (278), *krügeri* (279), Sumatra, **spp. n.**, SCHMIDT Stettiner ent. Ztg. **67.**

Siphanta galeata (453), *acutipennis, breviceps, toga,* (454), *lucindae, subgranulosa, granulata,* (455), KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**

Sivaloka **gen. n.** *Issinae, limacodes* India fig. 181 (352), *bipartita* Tenasserim (353), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Smara **gen. n.** *Delphacinae, festiva* Ceylon fig. 264, (478), *atrata* Tenasserim (479), **spp. n.**; DISTANT T.c.

Smicrotatodelphax **gen. n.** near *Delphacinus* (411), *perkinsi* **sp. n.** Queensland (412), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Sogata **gen. n.** *Delphacinae, dohertyi* **sp. n.** Tenasserim fig. 258; DISTANT (471) Faun. Brit. Ind. Rhynchota **3.**

Solonaima **gen. n.** *Cixiinae* (396), *solonaima* **sp. n.** Queensland (397), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Stacota breviceps (282) f. 131, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Stenocranus agamopsyche **sp. n.** Queensland, KIRKALDY (409) Honolulu Exp. Stat. Bull. **1.**

Sudasina **gen. n.** *Issinae, testudo* **sp. n.** Ceylon fig. 182; DISTANT (353) Faun. Brit. Ind. Rhynchota **3.**

Suva **gen. n.** near *Nisia, koebelei* **sp. n.** Viti islands, KIRKALDY (428) Honolulu Exp. Stat. Bull. **1.**

Swezeyia **gen. n.** *Derbidae, lyricen* **sp. n.** Viti islands, KIRKALDY (430) T.c.

Symplana viridinervis (254) f. 112, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Synaphana **nom. n.** for *Penthicus* Stål, KIRKALDY (248) Entomologist 1906. —*Synaphana* cf. *Penthicodes.*

Syrgis dohrni Sumatra (309), *indignus* Celebes (310), **spp. n.**; MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft. 4.

Tabocasa **gen. n.** near *Learcha, sanguinolenta* **sp. n.** Ecuador; DISTANT (202) Ann. Mag. Nat. Hist. **18.**

Tambinia languida (276) f. 127; *inconspicua* Burma f. 128, *maculosa* India, (277), *atrosignata* Ceylon, *capitata* Tenasserim, (278), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Taosa **gen. n.** type *Flata suturalis* Germ., DISTANT (355) Ann. Mag. Nat. Hist. **18.**

Tatva **gen. n.** *Issinae* (336), *bufo* **sp. n.** Bombay (337) f. 169; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Tejasa **gen. n.** near *Cryptoflata, umbrata* **sp. n.** Nilgiri hills fig. 232, DISTANT (438) T.c.

Temesa cf. *Vekunta.*

Tetrica fasciatifrons (298), *suffusa* (297) Neu-Guinea, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft. 4.

Tetrica bifasciata, viridimixta fig. 172, Tenasserim, DISTANT (340) Faun. Brit. Ind. Rhynchota **3, spp. n.**

Thabena stali **sp. n.**, Singapore, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft. 4 (294).

Thanatodictya **gen. n.** *Dictyopharinae, T.* (*Lucinda* subgen. n.) *lucindae* (392), *T.* (*Niculda* subgen. n.) *anadyomene, hebe, psyche,* (393), **spp. n.**, Australia, KIRKALDY Honolulu exp. Stat. Bull. **1.**

Thessitus insignis (231) f. 98, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Thionia bifasciatifrons Brasilien (274), *carinata* Nicaragua (281), *coriacea* Brasilien (277), *dubiosa* Peru (276), *fusca* Brasilien Columbien (274), *gibba* Brasilien (275), *impressa* Jamaica (284), *latifrons* Bolivien (276), *maculata* Südamerika (279), *mexicana* Mexico (285), *obsoleta* Südamerika (278), *obtusa* Mexico (279), *ocellata* Nordamerika (283), *onerata* Venezuela (280), *ovata* Brasilien (280), *proxima* Peru (278), *tigrata* Peru Bolivien (272), *transversalis* Nordamerika (281), *truncatella* Mexico (284), *variata* Brasilien (278);

MELICHAR Wien Abh. zool. bot. Ges. **3** Heft 4; **spp. n.**

Thracia nitagalensis cf. *Jada* and *Zoraida.*

Thyrocephalus **gen. n.** *Derbidae* (429), *leucopterus* **sp. n.** Queensland (430), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Togoda **gen. n.**, *africana* **sp. n.** Deutsch-Westafrika, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft **4** (233).

Tonga fusiformis Walk. (as *Cyrene*) = (*C. obtusata* Noualh.), MELICHAR T.c. (253). — *T. westwoodi* (355) f. 184, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Toya **gen. n.** *Delphacinae, attenuata* **sp. n.** Ceylon fig. 259; DISTANT (472) T.c.

Trienopa ambigua Madagascar (230), *bipunctata* Trop. Afrika (229), *cyrta* Kamerun (232), *elongata* Madagascar (230), *fasciata* Usambara (232), *orphana* Ostafrika (232), *varicolor* Madagascar (231), *viridis* Mombasa (229); MELICHAR Wien Abh. zool. bot. Ges. **3** Heft 4, **spp. n.**

Tylana acutipennis Borneo Queensland, (200), *caledonica* Neukaledonien (201), *conspurcata* Queensland (203), *constipata* Neu-Guinea (204), *electa* Celebes (209), *insculpta* Celebes (208), *interpunctata* Neukaledonien (201), *intrusa* Viti-Inseln (207), *invasa* Neu-Guinea (205), *laterata* Roon (205), *orientalis* Indischer Archipel (208), *samoensis* Samoa (206), *separanda* Vaterland unbekannt, (201); MELICHAR Wien Abh. zool. bot. Ges. **3** Heft 4, **spp.n.**—*T. philippina* Stål, *T. tagalica* Stål, Umänderung in *Scalabis*, MELICHAR T.c. (197).

Udugama splendens (249) f. 109, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Upachara **gen. n.** *Delphacinae, stigma* **sp. n.** Ceylon fig. 256; DISTANT (469) Faun. Brit. Ind. Rhynchota **3.**

Ulixes cassidoides Walk. (as *Issus*) = (*clypeatus* Fowl.) MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (219).

Unnata **gen. n.** type *Poeciloptera intracta* Walk. fig. 231; DISTANT (437) Faun. Brit. Ind. Rhynchota **3.**

Usana **gen. n.** *Cixiinae* (293), *lineolalis* **sp. n.** Tenasserim (294) f. 141; DISTANT T.c.

Vanua **gen. n.** *Eutropistidae* (415), *vitiensis* **sp. n.** Viti islands (416), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Varcia Stål = (*Aphanophrys* Mel.), cf. also *Varcilla*, KIRKALDY (248) Entomologist 1906.—*V. hemerobii* (389) f. 200; *kandyiana* **sp. n.** Ceylon (390); DISTANT Faun. Brit. Ind. Rhynchota **3.**

Varcilla **nom. n.** for *Varcia* Mel. nec Stål, KIRKALDY (248) Entomologist 1906.

Varma **gen. n.** *Lophopinae* (330), *tridens* **sp. n.** Ceylon (331) f. 165; DISTANT Faun. Brit. Ind. Rhynchota **3.**

Vekunta **nom. n.** for *Temesa* Mel., DISTANT (8) Entomologist London **29.**—*Vekunta* **nom. n.** for *Temesa* Mel. (287) f. 136; DISTANT Faun. Brit. India Rhynchota **3.**

Vinata **nom. n.** for *Erana* Walk., DISTANT (8) Entomologist London **29.**—*Vinata* **nom. n.** for *Erana* Walk. (314), *nigricornis* fig. 153; *nivosa* **sp. n.** Assam (315); DISTANT Faun. Brit. Ind. Rhynchota **3.**

Vishnuloka **gen. n.** *Issinae, prominula* Sikkim fig. 176 (345), *cuneata* Tenasserim (346), **spp. n.**; DISTANT T.c.

Vivaha **gen. n.** *Derbinae* (307), *facialis* **sp. n.** Tenasserim etc. (308) f. 148; DISTANT T.c.

Yarrana **gen. n.** near *Olonia* (206), *sinuata, continuata*, **spp. n.**, Queensland (207); DISTANT Ann. Mag. Nat. Hist. **18.**

Zamila aberrans (327) f. 161, DISTANT Faun. Brit. Ind. Rhynchota **3.**

Zepasa **gen. n.** *Fulgorinae* (191), *aurivilliana* **sp. n.** Brazil (192); DISTANT Ann. Mag. Nat. Hist. **18.**

Zeunasa **gen. n.** type *Poeocera irrorata* Blanch., DISTANT (200) T.c.

Zoraida pterophoroides (301) f. 145; *rufivena* (302), *motschoulokyi, gilva*, (303), *ficta* (= *nitagalensis* Mel.) (304), **spp. n.**, Ceylon; DISTANT Faun. Brit. Ind. Rhynchota **3.**

The following Fulgoridae have been previously dealt with in the Zoological Record.

(*Acrobelus delphinus* NOUALHIER, Mission Pavie **3** sp. n.)

(*Cyrene obtusata* NOUALHIER T.c. **3** sp. n.)

(*Eudelphax setulosus* Mel., Identität mit *Eodelphax serendiba* Kirk., KIRKALDY, Entomol. Ztg. Wien **24** 1905 (266).)

(*Fulgora monetaria* NOUALHIER Mission Pavie **3** sp. n.)

(*Hemisphaerius interclusus* NOUALHIER, T.c. sp. n.)

(*Oliarus* cucullatus, *petasatus*, NOUALHIER T.c. sp. n.)

(*Ricania flabellum* NOUALHIER T.c. sp. n.)

MEMBRACIDAE.

Acanthuchus dromedarius, obtusus, Australia, KIRKALDY (377) Honolulu exp. Stat. Bull. **1, spp. n.**

Centrotypus hospes **sp. n.** Sydney, KIRKALDY (378) Honolulu Exp. Stat. Bull. **1.**

Enchenopa coacta **sp. n.** Peru, SCHMIDT (361) Stettiner ent. Ztg. **67.**

Gargara vulpeculus **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (126).

Gelastorrhachis **gen. n.** near *Eutryonia* (372), *diadema, clavata*, **spp. n.**, Queensland, (373), KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**

Gigantorhabdus **gen. n.** near *Hypsauchenia* (371), *enderleini* **sp. n.** Borneo (372), SCHMIDT Stettiner ent Ztg. **67.**

Hoplophorion erectum with var. *nigromaculatum* Ecuador (363), *carinulatum* (364), *haenschi* (365), Columbien, *ohausianum* Ecuador (366), **spp. n.**, SCHMIDT T.c.

Hypsauchenia Germ. = (*Pyrgonota* Stål), SCHMIDT (369) T.c.

Membracis sanguineoplaga **sp. n.** Brasilien, with varr. nn. *nigricauda* and *completa*, SCHMIDT (360) T.c.

Pterygia pehlkei **sp. n.** Columbien, SCHMIDT (362) T.c.

Pyrgauchenia **gen. n.**, BREDDIN Halle Abh. natf. Ges. **24** (126).—*Pyrgauchenia* Bredd. = (*Pyrgophyllium* and *Pyrgolyrium* Br.) (369), *P. foersteri* var. n. *fulva* (371), *P. breddini* Ceylon **sp. n.** (370), SCHMIDT Stettiner ent. Ztg. **67.**

Sarantus nobilis **sp. n.** Queensland, KIRKALDY (374) Honolulu Exp. Stat. Bull. **1.**

Sextius assimilis (376), *longinotum kurandae* (377), Australia, KIRKALDY T.c., **spp. n.**

Tumayana **gen. n.** near *Poppea* (367), *eva* **sp. n.** Peru (368), SCHMIDT Stettiner ent. Ztg. **67.**

(*Leptocentrus subflavus* NOUALHIER, Mission Pavie **3** sp. n.)

† PROCERCOPIDAE.

†*Procercopis* **gen. n.** *Procercopidae* fam. n., *alutacea*, (500), *liasina* (501), **spp. n.**, Lias Mecklenburg, and *Cercopis jurassica* Gein., HANDLIRSCH Fossil. Ins.

CERCOPIDAE.

Anyllis **gen. n.** (386), *leiala* **sp. n.** Queensland (387) KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Aufidellus **gen. n.** near *Aufidus, australensis* **sp. n.** Queensland, KIRKALDY (381) T.c.

Aufiterna **gen. n.** near *Aufidus, ptyeloides* **sp. n.** Queensland, KIRKALDY (382) T.c.

Clovia multisignata **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. **24** (124).

Cosmoscarta dirce, orithyia, callirhoë hyale, psecas, liriope, rhanis, **spp. n.**, Celebes, BREDDIN (115–121) T.c.—*C. inexacta* var. n. *semirubra* Celebes, Id. l.c.

Euryaulax **gen. n.** (380), *callitettigoides* **sp. n.** Queensland (381), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Eurycercopis **gen. n.** *nigrofasciata* **sp. n.** Queensland, KIRKALDY (383) T.c.

Mioscarta **gen. n.**, BREDDIN Halle Abh. natf. Ges. **24** (123).

Pectinariophyes **gen. n.**, *pectinaria* **sp. n.** Queensland, KIRKALDY (386) Honolulu Exp. Stat. Bull. **1.**

Petyllis **gen. n.** near *Aufidus, australensis* **sp. n.** New South Wales, KIRKALDY (382) T.c.

Polychaetophyes **gen. n.** near *Hindola* (384), *serpulidia, aequalior*, **spp. n.**, Queensland, (385), KIRKALDY T.c.

Ptyelus flavescens, habits, HINDE (225) pl. xiii London Trans. ent. Soc 1906,

Triecphora sanguinolenta, sanguinea intermedia, synonymie, *intermedia* var. *nigra* var. nov. ROYER (298) Paris Bull. Soc. ent. **1906.**

(*Cosmoscarta carens, carinifrons*, NOUALHIER, Mission Pavie **3** spp. n.)

(*Triecphora septemmaculata* sp. n., Jerusalem, MELICHAR, Entomol. Ztg. Wien **22** 1903 (282).)

JASSIDAE.

Aglena ornatula nom. n. pro *pallida* Walk., KIRKALDY (319) Honolulu Exp. Stat. Bull. **1.**

Anemochrea **gen. n.**, (329), *mitis* **sp. n.** Sydney (330), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Anemolua **gen. n.**, *hanuala* **sp. n.** Queensland, KIRKALDY (329) T.c.

Aneono **gen. n.** *Eupteryginae* (358), *pulcherrima* **sp. n.** Australia (359) KIRKALDY T.c.

†*Archijassus* **gen. n.**, *geinitzi* Lias Mecklenburg **sp. n.**, and pts. of *Cercopis* and *Cercopidium* Gein., HANDLIRSCH (501) Fossil. Ins.

Athysanus venosus New York, OSBORN (526) Albany N.Y. New York Mus. Bull. **97, sp. n.**

Chlorita pusilla **sp. n.** Deutschland, MATSUMURA (77) Danzig Schr. natf. Ges. **11.**

Cicadula histrionicula Queensland (361), *vitiensis* Viti islands (362), KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**—*C. sexnotata*, JUNGNER Berlin Arb. D. LandwGes. Heft 115 (1–50) 1 Taf.

Deltocephalus excisus **sp. n.** Deutschland, MATSUMURA (79) Danzig Schr. natf. Ges. **11.**—*D.* (?) *perparvus* **sp. n.** New South Wales, KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Dikraneura honiala, aneala, Australia, KIRKALDY (360) T.c., **spp. n.**

Dorycephalus ianthe, subreticulatus, (340), *trilineatus* (341), Australia, KIRKALDY T.c., **spp. n.**

Dryadomorpha **gen. n.** (335), *pallida* **sp. n.** Queensland (336), KIRKALDY T.c.

Ectopiocephalus **gen. n.** *Penthimiinae*, (463), *vanduzeei* **sp. n.** Queensland (464), KIRKALDY T.c.

Empoa australensis **sp. n.** Queensland, KIRKALDY (363) T.c.

Epipsychidion **gen. n.** *Agalliini* (345), *epipyropis* **sp. n.** Sydney (346), KIRKALDY T.c.

Erythroneura melanogaster, lubra, (364), *honiloa, ipoloa, honiala*, (365), Australia, KIRKALDY T.c., **spp. n.**

Euleimonios **gen. n.** *Macrostelini, demittendus* **sp. n.** New South Wales, KIRKALDY (342) T.c.

Eupteryx cyclops **sp. n.** Deutschland, MATSUMURA (78) Danzig Schr. natf. Ges. **11.**—*E. haematoptilus* **sp. n.** Queensland (362); *melichari* nom. n. pro *picta* Md. (363), KIRKALDY Honolulu Exp. Stat. Bull. **1.**—*E. nigra* New York, OSBORN Albany N.Y. St. Mus. Bull. **97 sp. n.**

Eurinoscopus **gen. n.** near *Bythoscopus* (346), *lentiginosus, sontiates*, (347), *soboles, dryas, pelias, molestia*, (348), *pelamys* (349), Australia, **spp. n.**, KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Eurymeloides hyacinthus, cumulosus, (351), *bicinctellus, ornatus*, (352), *rubrivenosus, lentiginosus*, (353), Australia, KIRKALDY T.c., **spp. n.**

Eurymelops **subg. n.** of *Eurymela* for *E. rubrovittata* etc., KIRKALDY (354) T.c. —*E. rubrolimbata* (354), *plebeia, lubra*, (355), Australia, KIRKALDY T.c., **spp. n.**

Eutettix brunneus N. York, OSBORN (530) Albany N.Y. St. Mus. Bull. **97, sp. n.**

Giffardia **gen. n.** near *Dorycephalus, dolichocephala* **sp. n.** Queensland, KIRKALDY (336) Honolulu Exp. Stat. Bull. **1.**

Gnathodus viridis New York, OSBORN (541) Albany N.Y. St. Mus. **97, sp. n.**

Gypona geminata New York, OSBORN (513) T.c., **sp. n.**

Hecalus immaculatus **sp. n.** Queensland, KIRKALDY (338) Honolulu Exp. Stat. Bull. **1.**

Idiocerus ipo **sp. n.** Queensland, KIRKALDY (466) T.c.

Ipo **n. gen.** *Agalliinae*, (464), *ambita*, *conferta* (465), *honiala*, *aegrota*, (466), Queensland, **spp. n.**, KIRKALDY T.c.

Kahaono **gen. n.** near *Dikraneura*, *hanuala* **sp. n.** Queensland, KIRKALDY (361) T.c.

Kahavalu **gen. n.** *Ledrinae*, *gemma* **sp. n.** New South Wales, KIRKALDY (371) T.c.

Kosmiopelex **gen. n.** near *Aphrodes* (334), *varicolor* **sp. n.** Queensland (335), KIRKALDY T.c.

Kyphocotis **gen. n.** *Ledrinae* (370), *tessellata* **sp. n.** Queensland (371), KIRKALDY T.c.

Macroceratogonia **gen. n.** (323), *aurea* **sp. n.** Queensland (324), KIRKALDY T.c.

Myrmecophryne **gen. n.** near *Graphocraerus* (461), *formiceticola* **sp. n.** Queensland, KIRKALDY (462) T.c.

Nephotettix plebeius (331), *contemptus* (332), Australia, KIRKALDY T.c., **spp. n.**

Nesosteles **gen. n.** *Macrostelini*, *hebe* (343), *glauca*, *sanguinescens*, *sordidior*, (344), *taedia* (345), **spp. n.**, Queensland, KIRKALDY T.c.

Paradorydium menalus (339), *pseudolyricen* (340), KIRKALDY T.c., **spp. n.**

Pedioscopus **gen. n.** near *Idiocerus*, *philenor*, *polydoros*, (349), *agenor* (350), **spp. n.**, Queensland, KIRKALDY T.c.

Pettya **gen. n.** *Macrostelini*, *anemolua* **sp. n.** Queensland, KIRKALDY (343) T.c.

Phacosema **gen. n.** (387), *gallicola* **sp. n.** Vorder-Indien (388), KIEFFER Zs. wiss. Insektenbiol. **2.**

Phrynomorphus longuinquus, *taedius*, (326), *fatigandus* (327), Queensland, KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**

Phrynophyes **gen. n.**, *phrynophyes*, (327), *parvula* (328), **spp. n.**, Queensland, KIRKALDY T.c.

Platymetopius cuprescens (517), *angustatus* (518), *fulvus* (519), New York, OSBORN Albany N.Y. St. Mus. Bull **97, spp. n.**

Rhotidus ingens, (366), *informis*, *flavomaculatus*, *monstrum*, *ledropsiformis*, (367), *horrendus*, *viridescens*, (368), Australia, KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**

Scaphoideus pristidens **sp. n.** Queensland, KIRKALDY (333) T.c.—*S. opalinus* New York, OSBORN (525) Albany N.Y. St. Mus. Bull. **97, sp. n.**

Smicrocotis **gen. n.** *Ledrinae*, *obscura* **sp. n.** Queensland, KIRKALDY (370) Honolulu Exp. Stat. Bull. **1.**

Sphinctogonia **gen. n.**, *quincuncula*, *servula*, *reginula*, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (128–130).

Tartessus syrtidis **sp. n.** Queensland, KIRKALDY (341) Honolulu Exp. Stat. Bull. **1.**

Tettigonia viridis, natural history, PIERRE Rev. Sci. Bourbon 1906 (77–82).—*T. koebelei* (319), *pasiphae* (320), *parthaon*, *pettimolua*, (321), *anemolus* (322), Australia, KIRKALDY Honolulu Exp. Stat. Bull. **1, spp. n.**

Thamnotettix combibus **sp. n.** Deutschland, MATSUMURA (78) Danzig Schr. natf. Ges. **11.**—*T. exquisitos* (534), *placidus* (536), New York, OSBORN Albany N.Y. St. Mus. Bull. **97, spp. n.**

Tharra **gen. n.** near *Jassus* (324), *labena* **sp. n.** Queensland (325), KIRKALDY Honolulu Exp. Stat. Bull. **1.**

Thaumatoscopus **gen. n.** near *Gypona*, *galeatus* **sp. n.** Queensland, KIRKALDY (462) T.c.

Vulturnus **gen. n.** near *Gypona*, *vulturnus* **sp. n.** Queensland, KIRKALDY (463) T.c.

(*Annidion* gen. n. (267), *pulcherrimum*, Elfenbeinküste, sp. n., (260), KIRKALDY, Entomol. Ztg. Wien **24** 1905 (267).)

(*Gypona kangrensis* Ostindien, KIRKALDY, T.c. (267) sp. n.)

(*Motschulskyia* nom. n. für *Conometopus* Motsch. KIRKALDY, (266) T.c.)

(*Thomsonia arcuata*, Synonymie KIRKALDY, (267) T.c.)

(*Thomsoniella* Sign., Synonym von *Thomsonia*, KIRKALDY, (267) T.c.)

(*Edomops rubescens* NOUALHIER, Mission Pavie, **3** sp. n.)

(*Hecalus platalea* NOUALHIER, T.c. sp. n.)

PSYLLIDAE AND ARCHIPSYLLIDAE.

†*Archipsylla* **gen. n.** *Archipsyllidae* fam. n., (502), *primitiva*, *liasina*, **spp. n.**, Lias Mecklenburg, (503), HANDLIRSCH Fossil. Ins.

Phytolma lata Scott, galls etc., VOSSELER Zs. wiss. Insektenbiol. **2** (276–285, 305–316).

Protyora **gen. n.** für *Tyora sterculiae* Froggatt, KIEFFER (388) Zs. wiss. Insektenbiol. **2.**

Psylla and bees, GIARD, Feuille jeunes natural. **36** (63).

(*Psyllia* nom. n. für *Psylla* auct. nec. typ., KIRKALDY Entomol. Ztg. Wien **24** 1905 (268).)

APHIDAE.

List of genera and catalogue of recently described species, KIRKALDY Canad. Entomol. **38** (9–18, 135, 202).

Supplementary list to Kirkaldy's catalogue of the Aphidae described as new from 1885. SCHOUTEDEN, Bruxelles Ann. Soc. ent. Belgique 1906 (30–36).

Catalogue of North American *Aphididae*, with host-plant and plant-host list, Part 2. SANBORN Lawrence Kan. Univ. Sci. Bull. **3** (223–275).

Annotated catalogue of Belgian *Aphidae*, SCHOUTEDEN (189–246) Bruxelles Mem. Soc. ent. Belgique **12.**

The *Aphidae* of Guernsey, LUFF (82–89) Guernsey Trans. Soc. Nat. Sci.

Diverse galle prodotte sul *Populus nigra*; GUERCIO Redia **3** (375–385) con 28 fig.

Studies on the germ cells of *Aphids*; STEVENS, Washington Carnegie Institution Publication No. 51 (28) pl.

Plant louse on *Scirpus lacustris* L. var. *genuinus* remedies against (Japanese). OKADA Konch. Sek. Gifu **10** (358–362 & 411–414).

Abamalekia **gen. n.** near *Cerataphis*, *lazarewi* **sp. n.** Italy, DEL GUERCIO (364) Redia **3.**

Aphis caricis (218), *musae* (223), Belgium, SCHOUTEDEN Bruxelles Mem. Soc. ent. Belgique **12, spp. n.**—*A. sorghella* Africa, SCHOUTEDEN (135) Bruxelles Ann. Soc. ent. Belgique **50, sp. n.**—*A. ribis* (46) pl. xvi f. 82, *aubletia* (48) pl. xii f. 68, Kansas, SANBORN Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**—*A. houghtonensis* **sp. n.** Indiana, TROOP (59) Ent. News **17.**—*A. schoutedeni* nom. n. for *spiraeae* Schout., KIRKALDY (13) Canad. Entomol. **38.**—*A. cardui*, peculiar habitat, VOGT (255) Paris Bull. Soc. ent. 1906.—*A. gossypii*, natural history, CHITTENDEN Washington Cir. U. S. Dept. Agric. Bur. Ent. No. **80** (1–16).—*Aphis maidi-radicis* and *Lasius niger* var. *americanus*, FORBES Washington U. S. Dept. Agric. Bur. Ent. Bull. No. **60** (29–41).

Callipterus genevei Kansas, SANBORN (38) pl. vii f. 45 Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**

Cerataphis betulae ♂, SCHOUTEDEN (197) Bruxelles Mem. Soc. ent. Belgique **12.**

Cerosipha **gen. n.**, DEL GUERCIO 1900, cf. SCHOUTEDEN Bruxelles Ann. Soc. ent. Belgique **50** (31).

•*Chaitophorus stevenensis* (36) pl. vii f. 47, *flabellus* (37) pl. xx f. 95 Kansas, SANBORN Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**

Chermes; Lebensgeschichte und Schaden an Nadelhölzern, CHOLODKOVSKY St. Peterburg [Depart. f. Landwirthschaft] 1906 (60) 6 Taf.—*C. piceae*, natural history, MARCHAL (111–114) Paris Bull. Soc. Zool. **31.**—*Chermes pini* Koch., biologie, MARCHAL Paris Bull. soc. ent. 1906 (179–182).

Eucallipterus **nom. n.** for *Pterocallis* Mordwilko, SCHOUTEDEN (31) Bruxelles Ann. Soc. ent. Belgique **50.**

Kaltenbachiella **gen. n.** (194), *menthae* **sp. n.** Belgium (195), SCHOUTEDEN Bruxelles Mem. Soc. ent. Belgique **12.**

Lachnus incertus nom. n. for *subterraneus* del Guercio, *caricis* Walk. forms, (203, 204), *piceae* Walk. forms, (205–207), SCHOUTEDEN T.c.

Macrosiphum squarrosa (77) pl. xvi f. 84, *biennis* (78) pl. ix f. 51 Kansas, SANFORD Lawrence Kan. Univ. Sci. Bull. **3, spp. n.**—*M. granaria*, winged female, SANDERSON Ent. News **17** (290); notes, SANBORN Ent. News **17** (327–328).

Mindarus and *Schizoneura*, DEL GUERCIO (371–374) Redia **3.**

Mindarus abietinus, the genus and species, DEL GUERCIO (371–375) T.c.

Myzoxylus; radicolous form of the fir, parthenogenetic female, Del Guercio (365–371) T.c.

Myzus filaginis Belgium, Schouteden (231) Bruxelles Mem. Soc. ent. Belgique **12.**

Nipponaphis **gen. n.** near *Schizoneura, distychii* **sp. n.** Japan, Pergande (205) Ent. News **17.**

Pemphigus; the various galls formed on *Populus nigra*, Del Guercio (375–385) Redia **3.**—*P. poschingeri* Schädigung, Vadas Erd. kis. **8** (192–193).—*P. burrowi* Kansas, Sanborn (18) pl. iv f. 30 Lawrence Kan. Univ. Sci. Bull. **3, sp. n.**—*P. oestlundi* **nom. n.**, Cockerell Ent. News **17** (34).

Pterocallis **gen. n.** Mordwilko 1894; cf. Schouteden (31) Bruxelles Ann. Soc. ent. Belgique **50.**

Rhizoicus and *Rhizomaria*, Del Guercio (365-371) Redia **3.**

Rhizomaria Hartig = (*Holzneria* Licht.), Schouteden (42) Bruxelles Ann. Soc. Ent. Belgique **50.**

Schizoneura rotundiventris Sign. to *Toxoptera*, Schouteden (37) T.c.—*S. lanigera* habits, life history, Blomfield Quart. J. microsc. Sci. **50** (573–579) pl. xxxii.—*S. fodiens*, natural history, Theobald Washington Bull. U. S. Dept. Agric. Bur. Ent. No. **60** (166–170).

Subcalipterus **gen. n.**, Mordwilko 1904; cf. Schouteden (31) Bruxelles Ann. Soc. ent. Belgique **50.**

Toxoptera theobromae W. Africa, Schouteden (37) T.c., **sp. n.**

Trichosiphum **gen. n.** near *Greenidea* (206), *anonae* (207), *kuwanae* (208), Japan, **spp. n.**, Pergande Ent. News **17.**

Tuberculatus **gen. n.** Mordwilko 1894; cf. Schouteden (31) Bruxelles Ann. Soc. ent. Belgique **50.**

Tycheoides **nom. n.** for *Tychea* Pass., Schouteden (194) Bruxelles Mem. Soc. ent. Belgique **12.**

Xerampelus **gen. n.** Del Guercio 1900; cf. Schouteden (31) Bruxelles Ann. Soc ent. Belgique **50.**

(**Lécaillon,** A. Sur un puceron (*Aphis papaveris* Fabr.) ennemi de la Betterave; Paris, Bul. Soc. entom. **1905** (258–260).)

(*Aphis sorghi* sp. n. Sudan, destructive to crops. Theobald, Khartoum, Rep. Wellcome Res. Lab., **1,** 1904, (43–45, with pls.).)

(*Aphis* spp. Stevens, J. Exp. Zool. Baltimore, Md. **2** 1905 (313–333, with 4 pl.).

Aleurodidae.

Some new or little known *Aleyrodidae* from Connecticut, Britton Ent. News **17** (127–130).

(*Aleyrodes acteae* Connecticut, Britton, Ent. News **16** 1905 (65–67) pl. sp. n.)

Coccidae.

Catalogue of recently described species, Sanders Washington D.C. U. S. Dept. Agric. Bur. Ent. Techn. ser. **12** pt. 1 (1–18).

The *Coccidae* of Sweden; Tullgren (69–95) Uppsala Ent. Tidskr. Stockholm **27.**

Monophlebinae of Australia; Froggatt, **5.**

Tables of Rocky mountains *Coccidae*; Cockerell Stud. Univ. Colorado **2** (189–203).

Generi e specie di *Diaspiti*. Saggio di sistematica delle Fioriniae; Leonardi Redia Firenze **3** (1905) 1906 (16–65) con 22 fig.

Formalin as a means of preparation, Green (129, 130) Ent. Mag. London **42.**

Actenaspis **subg. n.** cf. *Leucaspis.*

Adiscofiorinia **gen. n.** for part of *Fiorinia* (52), *secreta* Green etc., *atalantiae* Ceylon (54) **sp. n.**, Leonardi Redia **3.**

Anamaspis **subg. n.** cf. *Leucaspis.*

Anamefiorinia **gen. n.** for part of *Fiorinia* viz. *casuarinae* and *lidgetti*, Leonardi (48) Redia **3.**

Aonidia pinicola Valencia, Leonardi (1 sep. pag.) Portici Ann. Scuola sup. Agric. **6, sp. n.**—*A. picea* Valencia on *Billartia officinalis*, Leonardi (6) Redia **3, sp. n.**

Aonidiella taxus Italy, Leonardi (1) Redia **3, sp. n.**

Aspidiotus oxycoccus New Jersey (73), *pseudospinosus* Florida (75), Woglum Canad. Entomol. **38, spp. n.**—*A. perniciosus*, natural history and distribu-

tion, MARLATT Washington U. S. Dept. Agric. Bur. Ent. Bull. No. **62** (1–89) plates i–ix.—*A. destructor* (218) pl. vii figs. 1–8, BANKS Philipp. J. Sci. **1.**

Chionaspis candida Philippines (232) pl. iv f. 1, altered to *C. inday* (787), BANKS Philipp. J. Sci. **1, sp. n.**

Chrysomphalus propsimus Philippines, BANKS (230) Pl. i f. i T.c., **sp. n.**

Coccus; the type fixed by Schulzer is *hesperidum*, FERNALD (125) Canad. Entomol. **38.**

Dactylopius longispinus, LAMBERTIE Bordeaux Act. soc. linn. **60** 1905 (proc.-verb. lxxxix).

Diaspis pentagona, parasites of, HOWARD Ent. News **17** (291–293); FRANCESCHINI Milano Atti Soc. ital. **45** (62–70).

Eriococcus bahiae (330), *howardi* (331), *catalinae* (332), California, EHRHORN Canad. Entomol. **38, spp. n.**—*E. dubius* var.? Paraguay, COCKERELL (32) Washington D.C. Proc. ent. Soc. **8.**

Eulecanium; table of . species, COCKERELL (83–88) Canad. Entomol. **38.**

Euphilippia **gen. n.** *Lecaniites* (396), *olivina* **sp. n.** Italy (398), BERLESE and SILVESTRI Redia **3.**

Fiorinia, monograph; *F. bidens* (23), *odinae* (24), *tumida* (38), *juniperi* (39), **spp. n.**, Ceylon; LEONARDI Redia **3.**—*F. hirsuta*. Alger, MARCHAL (145) Paris Bul. soc. ent. **1906, sp. n.**

Hemichionaspis orlandi Matto Grosso, LEONARDI (5) Redia **3, sp. n.**

Kermes rattani California, EHRHORN (329) Canad. Entomol. **38, sp. n.**

Laccifer Oken = (*Tachardia* Blanch.), KIRKALDY (249) Entomologist 1906.

Lecanium sericeum **sp. n.** (147, 152), LINDINGER Insektenbörse **23.**

Lepidosaphes mcgregori (233) pl. v, *unicolor* (234) pl. vii, Philippines, BANKS Philipp. J. Sci. **1, spp. n.**

Leucaspis; revision with *Anamaspis* and *Actenaspis* subgenn. n., LEONARDI (1–29 sep. pag.) Portici Ann. Scuola sup. Agric. **6.**—*L. affinis* Francia, Id. (4 sep. pag.) T.c., **sp. n.**

Margarodes; longévité, MAYET Paris Bul. soc. ent. **1906** (228–229).

Morganella longispina Morg. = (*maskelli* Cock.), KOTINSKY (78) Honolulu Proc. Hawai. ent. Soc. **1.**

Mytilaspis pomorum on *Helianthemum vulgare*, CHAPMAN (233) Ent. Mag. London **42.**

Orthezia californica Santa Clara, EHRHORN (329) Canad. Entomol. **38, sp. n.**—*O. urticae* in den Niederlanden, OUDEMANS 's Gravenhage Tijdschr. Ent. **49** (xlvii).

Paralecanium cocophyllae Philippines, BANKS (235) pl. viii Philipp. J. Sci. **1, sp. n.**

Parlatoria; the species distinguished by dorsal glands; PALMER (131–146) pls. xxiii–xxviii Lawrence Kan. Univ. Sci. Bull. **3.**—*P. greeni* Philippines, BANKS (231) pl. iii f. 1 Philipp. J. Sci. **1, sp. n.**

Phenacoccus colemani California, EHRHORN (332) Canad. Entomol. **38, sp. n.**—*P. helianthi*, COCKERELL (34) Washington D.C. Proc. ent. Soc. **8.**

Pseudococcus pandani, armatus var. *a*, COCKERELL (33) T.c.—*P. juniperi* California, EHRHORN (333) Canad. Entomol. **38, sp. n.**

Pulvinaria; measurements of young, KING (325) Canad. Entomol. **38.**—*P. innumerabilis*, number of eggs, DAVIS (368) Ent. News **17.**—*P. plucheae* California, EHRHORN (334) Canad. Entomol. **38, sp. n.**

Pollinia pollinii, male life-history, BERLESE and PAOLI (393–395) Redia **3.**

Ripersiella kelloggi California, EHRHORN (334) Canad. Entomol. **38, sp. n.**

Stotzia **gen. n.** *Lecanides* (143), *striata* **sp. n.** Algérie (144), MARCHAL Paris Bull. Soc. ent. **1906.**

Tachardia cf. *Laccifer*.

Trullifiorinia **gen. n.** for part of *Fiorinia* (41), *rubrolineata* (44) **sp. n.** Ceylon; LEONARDI Redia **3.**

(**Marchal**, P. Sur la biologie du *Chysomphalus dictyospermi* var. *minor* Berlese, et sur l'extension de cette cochenille dans le bassin méditerranéen. Paris Bul. soc. ent. **1904**, (246–249).)

(*Aspidiotus riverae* Chile, COCKERELL, Ent. News **16** 1905 (161–163), **sp. n.**)

(*Ceroplastes sanguineus, schrottkyi*, Paraguay. COCKERELL, Ent. News **16** 1905 (161–163), spp. n.)

ANOPLURA.

Stechund Saugapparat der Pediculiden. PAWLOWSKI Zs. wiss. Insektenbiol. **2** 1906 (156–162, 198–204).

Antarctophthirius **gen. n.** (661), *ogmorhini* **sp. n.** Antarktis (662), ENDERLEIN Zool. Anz. **29.**

Echinophthirius microchir to *Antarctophthirius* (663); (*E. setosus* Rothsch. 1902) = *A. ogmorhini*, (662); ENDERLEIN T.c.

Haematopinus stephensi, on *Jerbellus indicus*, CHRISTOPHERS and NEWSTEAD (3) pl. 1, Liverpool Thompson Yates Lab. Rep. **7, sp. n.**

THYSANOPTERA.

Euthrips nicotianae, HOOKER Washington Cir. U. S. Dept. Agric. Bur. Ent. No. **68** (1–5).

Kladothrips rugosus **sp. n.** Tamworth N.S.W., FROGGATT Agric. Gaz. **17** (1011) figg.

PSOCIDAE.

Monograph of *Amphientomidae, Lepidopsocidae, Lepidillidae:* ENDERLEIN Spolia zeylan. **4** (39–122) 7 pls. Supplementary note, GREEN T.c. (123–125).

Einige Notizen der *Copeognathen* Nordamerikas, ENDERLEIN Stettiner ent. Ztg. **67** 1906 (317–320).

Zur Copeognathen fauna der Provinz Novgorod. (Russ.) ZAVARZIN St. Peterburg Ber. Süsswasserst. Naturf. Ges. **2** (271–276).

†List of fossil *Psocidae*; MEUNIER (59) Naturaliste 1906.

Amphigerontia kolbei (246) *nubila* (247), **spp. n.**, Japan, ENDERLEIN Zool. Jahrb. Syst. **23.**

Amphipsocus iridescens **sp. n.** Ostafrika, ENDERLEIN (311) Stettiner ent. Ztg. **67.**

Archipsocus brasilianus **sp. n.** Brasilien (83), *A. recens* End. (86) figs., ENDERLEIN Zool. Jahrb. Syst. **24.**

Caeciluis scriptus Japan (312), *wolffhugelianus* Argentinien (313), **spp. n.**, ENDERLEIN Stettiner ent. Ztg. **67.**—*C. gonostigma* (253), *japanus* (254), *oyamai* (252), **spp. n.**, Japan, ENDERLEIN Zool. Jahrb. Syst. **23.**—*C. fasciatus* **sp. n.** Brasilien, ENDERLEIN (12) pl. vi f. 2 Op. cit. **24.**

Ceratipsocus nigrofasciatus Kolbe = (*Psocus speciosus* Aaron and *tolteca* Banks), ENDERLEIN (318) Stettiner ent. Ztg. **67.**

Cladioneura **gen. n.** (404) *pulchripennis* **sp. n.** Australien (405), ENDERLEIN Zool. Jahrb. Syst. **23.**

Clematostigma **gen. n.** type *Copostigma maculiceps*, ENDERLEIN (403) T.c. —*C. schillei* **sp. n.** Java, ENDERLEIN (310) Stettiner ent. Ztg **67.**

Dasypsocus **gen. n.** (250) *japonicus* **sp. n.** Japan (251), ENDERLEIN Zool. Jahrb. Syst. Jena **23.**

Echmepteryx mihara (43 but *mihira* 107), *sericea* (108), Ceylon, ENDERLEIN Spolia Zeylan. **4** 1906, **spp. n.**—*E. hageni* Pack. (as *Amphientomum*) = (*agilis* Aaron), ENDERLEIN (320) Stettiner ent. Ztg. **67.**

Ectopsocus strauchi **sp. n.** Canarische Ins., ENDERLEIN (315) Stettiner ent. Ztg. **67.**—*E. froggatti* **sp. n.** Australien, ENDERLEIN (407) Zool. Jahrb. Syst. **23.**—*E. ribagai* **sp. n.** Brasilien, ENDERLEIN (83) Op. cit. 24.

Elipsocus punctatus California, BANKS (1) Philadelphia Tr. Amer. ent. Soc. **32, sp. n.**

Graphocaecilius luridus **sp. n.** Peru, ENDERLEIN (314) Stettiner ent. Ztg. **67**.

Hemipsocus hyalinus **sp. n.** Japan, ENDERLEIN (311) T.c.

Hemiscopsis **gen n.** for *Amphientomum fulleborni* Enderl., ENDERLEIN (73) Spolia zeylan. **4** 1906.

Ischnopteryx pulchra **sp. n.** Mittel-Amerika (308), ENDERLEIN Stettiner ent. Ztg. **67**.

Kolbea fusconervosa **sp. n.** Japan, ENDERLEIN (252) Zool. Jahrb. Syst. **23**.

Lepium **gen. n.** *Perientominae*, *chrysochlorum* India, (81), *luridum* Ceylon (83), **spp. n.**, ENDERLEIN Spolia Zeylan. **4** 1906.

Lepolepis **gen. n.** *Lepidillidae* (112), *ceylonica* Ceylon **sp. n.** (113), ENDERLEIN T.c.

Matsumuraiella **gen. n.**, *radiopicta* **sp. n.** Japan, ENDERLEIN (248) Zool. Jahrb. Syst. **23**.

Mesopsocus unipunctatus var. *fasciatus* n., var. *bifasciatus* n., var. *subfuscus* n., ENDERLEIN Danzig Ber. bot.-zool. Ver. **28** (71-88).

Myopsocus muscosus **sp. n.** Japan, ENDERLEIN (254) Zool. Jahrb. Syst. **23**. —*M. sumatranus* **sp. n.** Sumatra, ENDERLEIN Op. cit. **24** (87).

Nepticulomima **gen. n.** *Perientominae* (95), *sakuntala* (96), *essigkeana* (97), *chalcomelas* (100), Ceylon, **spp. n.**, ENDERLEIN Spolia zeylan. **4**.

Paramphientomum **gen. n.**, *nietneri* Ceylon **sp. n.**, ENDERLEIN (63) T.c.

Parempheria **gen. n.** (306) near *Psyllipsocus*, *sauteri* **sp. n.** Japan (307), ENDERLEIN Stettiner ent. Ztg. **67**.

Pentacladus **gen. n.**, *eucalypti* **sp. n.** Australien, ENDERLEIN (408) Zool. Jahrb. Syst. **23**.

Perientomum chrysargyrium (86), *greeni* (87), *ceylonicum* (92), *argentatum* (88), *acutipenne* (94), Ceylon, ENDERLEIN Spolia zeylan. **4**, **spp. n.**—*P. brasiliense* **sp. n.** Brasilien, ENDERLEIN Zool. Jahrb. Syst. **24** (88).—†*P. mortuum* full characters, MEUNIER (58-60) figs. 1-6; Naturaliste 1906; referred to *Thylax*, ENDERLEIN (77) Spolia zeylan. **4**.

Peripsocus quercicola **sp. n.** Japan, ENDERLEIN (316) Stettiner ent. Ztg. **67**.

Polypsocinae = (*Ptilopsocinae*), ENDERLEIN (320) T.c.

Psocus kurokianus (244), *tokyoënsis* (245), **spp. n.**, Japan, ENDERLEIN Zool. Jahrb. Syst. **23**.—*P. lignicola* **sp. n.** Australien, ENDERLEIN (401) T.c.—*P. californicus*, *floridanus*, *confraternus*, N. America, (2), *posticatus* Mexico, *minusculus* Virginia, (3), BANKS Philadelphia Tr. Amer. ent. Soc. **32**, **spp. n.**—*P. submarginatus* ab. n. *amphigerontoides* (317), *P. rufus* Walsh to *Pterodela* (319), *P. sparsus* Hag. and *P. virginianus* Banks to *Myopsocus*, ENDERLEIN Stettiner ent. Ztg. **67**.

Reuterella helvimacula, male; GUERMONPREZ (57) pl. i Ent. Mag. London **42**.

Scolopama **gen. n.** *Echinopsocinae*, *halterata* Ceylon **sp. n.**, ENDERLEIN (110) Spolia zeylan. **4**.

Seopsis **gen. n.** *Amphientomidae*, *vasantasena*, *metallops*, Ceylon, **spp. n.**, ENDERLEIN (67) T.c.

Soa flaviterminata Ceylon, ENDERLEIN (79) T.c., **sp. n.**

Stenopsocus aphidiformis, *niger*, (249), *pygmaeus* (250), **spp. n.**, Japan, ENDERLEIN Zool. Jahrb. Syst. **23**.

Stimulopalpus **gen. n.** *Amphientomidae*, *japonicus* Japan **sp. n.**, ENDERLEIN (65) Spolia zeylan. **4**.

Syllysis erato (53), *ritusamhara* (57), Ceylon, ENDERLEIN T.c., **spp. n.**

Tineomorpha **gen. n.** *Amphientomidae*, *greeniana* Ceylon **sp. n.**, ENDERLEIN (49) T.c.

Tricladus **gen. n.**, *froggatti* **sp. n.** Australien, ENDERLEIN (410) Zool. Jahrb. Syst. **23**.

MALLOPHAGA.

Mallophaga; the genera, NEUMANN Paris Bul. soc. zool. 1906 (54-60).

Some structural points; FULMEK, Wien Verh. zool.-bot. Ges. 1906 (639-641).

Unsere Kenntnis von den Mallophagen; MÜLLER Danzig Ber. bot.-zool. Ver. **28** (1–3).

New hosts for Galapagos Mallophaga, KELLOGG (315–324) Philadelphia Pa. Trans. Amer. Ent. Soc. **32** 1906.

Colpocephalum guiraensis (47) pl. ii f. 4, *burmeisteri* (48) f. 5, Argentina, KELLOGG New York J. Ent. Soc. **14**, **spp. n.**

Degeriella **nom. nov.** pro *Nirmus* Nitzsch. 1818, NEUMANN (60) Paris Bull. Soc. zool. **31.**

Dennyus **nom. nov.** pro *Nitzschia* Denny 1842, NEUMANN l.c.

Goniocotes abnormis **sp. n.** Argentina, KELLOGG (46) pl. ii f. 3 New York J. Ent. Soc. **14.**

Laemobothorium gypsis **sp. n.** Transvaal, KELLOGG (62) Ent. News **17.**—*L. caracaraensis* **sp. n.** Argentina, KELLOGG (48) pl. ii f. 6 New York J. Ent. Soc. **14.**

Lipeurus bergi (45) pl. ii f. 1, *argentinus* (46) f. 2, Argentina, KELLOGG T.c., **spp. n.**

Menopon beckii **sp. n.** Galapagos, KELLOGG (322) Philadelphia Trans. Amer. Ent. Soc. **32.**—*M. aegialitidis* **sp. n.**, DURRANT Ohio Nat **6.**—*M. argentinus* **sp. n.** Argentina, KELLOGG (49) pl. ii f. 7 New York J. Ent. Soc. **14.**

Nirmus ridgwayi **sp. n.** Galapagos, KELLOGG (317) Philadelphia Trans. Amer. Ent. Soc. **32.**

Physostomum serratum, sub hastatum Colorado, DURRANT (528) Ohio Nat. **6**, **spp. n.**—*P. merulae* (35), *cherriei* (36), Colorado, DURRANT op. cit. **7**, **spp. n.**

Piagetella **nom. nov.** pro *Piagetia* Picaglia 1885, NEUMANN (60) Paris Bull. Soc. zool. **31.**

Taschenbergius **nom. nov.** pro *Eurymetopus* Taschenberg, NEUMANN l.c.

TERMITIDAE.

The classification of *Termitidae*, HOLMGREN (523–529) Zool. Jahrb. Syst. **23.**

Production of caste, SANDIAS Riv. ital. sc. nat. **26** (121–125).

Influence of Protozoan parasites on development, BRUNELLI Roma Rend. Acc. Lincei **15** 1 (55–62).

Habits of fungus-growing Termites, DOFLEIN Ostasienfahrt, Kap. 21.

Termite als Pilzezüchter (ungarisch). GORKA Termt. Közl. Budapest **38** 1906 (467–469) 2 Fig.

Termitophilous Insecta; *vide* p. 143.

Anoplotermes iheringi **sp. n.** Peru (606), *reconditus* Silv. Königin und Arbeiter (607), HOLMGREN Zool. Jahrb. Syst. **23.**

Armitermes peruanus Peru (569), *neotenicus* Peru and Bolivia (571), **spp. n.**; *odontognathus* imago (567), HOLMGREN T.c.

Calotermes brouni forms described and figured, BROUN, **2**, (5–11) pl. ii.

Capritermes talpa **sp. n.** Peru (560), *opacus villosus* subsp. n. (558), HOLMGREN Zool. Jahrb. Syst. **23.**

Cornitermes cornutus Bolivia (549), *pilosus* (551), *labralis* (553), Peru, **spp. n.**, HOLMGREN T.c.

Cryptotermes **gen. n.** (336), *cavifrons* **sp. n.** Florida (337), BANKS Ent. News **17.**

Cubitermes **gen. n.** for *Termes bilobatus* Hav., WASMANN (573) Biol. Centralbl. **26.**

Cylindrotermes **gen. n.**, *nordenskiöldi* **sp. n.** Bolivia, HOLMGREN (542–544) Zool. Jahrb. Syst. **23.**

Eutermes heteraspis Erythraea **sp. n.** (343), *terricola* winged forms (345), SILVESTRI Redia **3.**—*E. chaquimayensis* (575), *major* (578), *obscurus* (580), *llinquipatensis* (585), *minor* (590), *minimus* (582), *robustus* (587), *rotundiceps* (591), *rotundatus* (589), *velox* (595), *longirostratus* (598), *nigricornis* (600), *convexifrons* (602), **spp. n.**, Peru and Bolivia, HOLMGREN Zool. Jahrb. Syst. **23** (575–602).

Leucotermes tenuis imago soldier and worker, HOLMGREN (540–542) T.c.

Mirotermes macrocephalus **sp. n.** Bolivia, HOLMGREN (562) T.c.

Rhinotermes taurus, imago, soldiers and workers (531–536), *marginalis* neoteinic ind. and imago (537–539), HOLMGREN T.c.

Spinitermes nigrostomus Bolivia (564), *gracilis* Peru (565), **spp. n.**, HOLMGREN T.c.

Termes chaquimayensis Bolivia **sp. n.** (547), *dirus* imago, soldiers, workers, HOLGREN T.c.—*T. bellicosus*, two queens in one cell, SILVESTRI (342) Redia **3.**

Termopsis laticeps **sp. n.** Arizona, BANKS (337) Ent. News **17.**—*T. wroughtoni*=(*radcliffei* Radd. full description) DESNEUX Bombay J. Nat. Hist. Soc. **17** 293–298).

EMBIIDAE.

Zur Biologie der Embiiden. Neue Untersuchungen und Übersicht des Bekannten, mit Beiträgen über die Systematik und postembryonale Entwicklung mediterraner Arten. FRIEDERICHS, Berlin Mitt. zool. Mus. **3** 1906 (213–240).

Structure of ovary, relations of *Embiidae*, BRUNELLI Roma Rend. Acc. Lincei **15** 1 (55–62).

Embia californica Los Angeles, BANKS (1) pl. i f. 1 Philadelphia Tr. Amer. ent. Soc., **sp. n.**

(*Oligotoma gurneyi*, Sydney, *O. agilis*, Wagga, N.S.W., FROGGATT Sydney N.S.W. Proc. Linn. Soc. **29** (672–673, pl. 20 f. 2–6) spp. n.)

PERLIDAE.

Classification and table of genera, BANKS (221–224) Canad. Entomol, **38,**

Dictyopterygidae; monograph, KLAPÁLEK Prag. Bull. Ac. Sci. Franç. Jos. **9** ii 1904.

Acroneuria pumila California, BANKS (335) Canad. Entomol. **38, sp. n.**

Alloperla **gen. n.** type *Perla imbecilla* Say, BANKS (175) Ent. News **17.**

Chloroperla, divided into *Isoperla* and *Alloperla*, BANKS T.c. (174–175).

Isoperla **gen. n.** type *Perla bilineata* Say, BANKS (175) T.c.—*I. sordida* California, *longiseta* Kansas, BANKS (337) Canad. Ent. **38, spp. n.**

Leuctra grandis N. Carolina, BANKS (338) T.c., **sp. n.**

Neoperla **nom. n.** for *Pseudoperla*, BANKS (223) T.c.

Paraperla **gen. n.** for *Perlinella frontalis*, BANKS (222) T.c.

Perla luctuosa California, BANKS (336) T.c., **sp. n.**—*P. carolinensis* (3), *valida* (4), N. America, BANKS Philadelphia Tr. Amer. ent. Soc. **32, spp. n.**

Perlesta **gen. n.** for *Perla placida* etc., BANKS (222) Canad. Entomol. **38.**

Perlodes **nom. n.** for *Dictyopteryx*, BANKS (223) T.c.

Perlomyia **gen. n.**, *collaris* **sp. n.** Brit. Columbia, BANKS (338) T.c.

Pteronarcys spinosa **sp. n.** Oregon, BANKS (8) Washington Proc. Ent. Soc. **8.**

EPHEMERIDAE.

Contributions à organisation des larves des Ephémérines. POPOVICI-BAZNOSANU Arch. zool. Paris **5** Notes et revue (lxvi–lxxviii).

Vaisseaux sanguins caudaux chez les Ephémérines adultes. POPOVICI-BAZNOSANU Paris C.-R. soc. biol. **60** (1049–1050).

Short notes of Polish *Ephemeridae* (in Polish), *Polymitarcys virgo* etc., DZIEDZIELEWICZ Kosmos Lwów **31** (387–390).

†*Ephemeropsis middendorfi*, Sibirien Malm, HANDLIRSCH (604) Fossil Ins. **sp. n.**

†*Mesephemera* **gen. n.** for *Ephemera procera* Hag. (600), *weyenberghi* **sp. n.** Kalk Bayern (601), HANDLIRSCH T.c.

†*Paedephemera* **gen. n.** (601), for *Ephemera multinervosa* Opp., *oppenheimi*, *schwertschlageri*, **spp. n.** Kalk Bayern, HANDLIRSCH (602) T.c.

†*Phacelobranchus* **gen. n.**, *braueri* **sp. n.** Sibirien Malm. HANDLIRSCH (604) T.c.

Rhitrogena henschii Kesmark, KLAPÁLEK (5) Prag Rozpr. Ceske Ak. **15, sp. n.**

Tricorythus; COCKERELL and GILL, Boulder Univ. Colo. Stud. (135–137).

ODONATA.

Morphology and development of gonapophyses of *Odonata*, van der WEELE 's Gravenhage Tijdschr. Ent. **49,** (99–198) plates vi-viii.

Müller's work on Danish *Odonata;* PETERSÉN (251–254) Ent. Mag. London **42.**

Prey of *Odonata* in Britain, POULTON (398–401) London Trans. ent. Soc. 1906.

Beitrage zur Metamorphose der Libellen. HAUPT Wochenschr. Aquarienkunde Braunschweig **3** (382–384).

Orthopteren- und Odonatenfauna des Gouvernement Novgorod (Russ.). GRIGORJEV St. Peterburg Ber. Süsswasserst. Naturf. Ges. **2** (65–68).

Nervuration of Permian *Odonata*, SELLARDS (249–258) Amer. J. Sci. **22.**

Observations and experiments on dragon-flies in brackish water. OSBURN Amer. Nat. **1906** (395–399).

Copulation of Odonata; WILLIAMSON and CALVERT Ent. News **17** (143–148), pl. vii.

Oogenesis; McGILL Zool. Jahrb. Abt f. Anat. **23** (207–230) mit 5 Taf..

Changements de coloration chez les mâles, PICARD Paris Bull. soc. ent. **1906** (166–167).

Aeschna usambarica **sp. n.** Usambara, FÖRSTER (48) Mannheim Jahresber. Ver. Nath. **71–72.**

†*Aeschnidiidae* fam. n. for *Aeschnidium* and *Urogomphus*, HANDLIRSCH (593) Fossil. ins.

†*Aeschnogomphus* **gen. n.** for *Anax intermedius* Hag., HANDLIRSCH (590) T.c.

Agriocnemis pruinescens (191), *argentea* (192), Queensland, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31, spp. n.**

Agrionoptera insignis? Australia, TILLYARD (485) T.c.

Alloneura solitaris (182), *coelestina* (184), Queensland, TILLYARD T.c., **spp. n.**

Anatya normalis, *guttata* and *theresiae*; CALVERT (244–246) Biol. Centr.-Amer. Neuropt.

†*Anisophlebia* **gen. n.** *Isophlebiidae*, for *Isophlebia helle* Hag., HANDLIRSCH (584) Fossil. Ins.

†(*Anisozygopteron*) *geinitzianum* Lias Mecklenburg, HANDLIRSCH (470) T.c., **sp. n.**

†*Anomothemis* **gen. n.**, *brevistigma* **sp. n.** Lias Mecklenburg, HANDLIRSCH (470) T.c.

†*Archithemis* **gen. n.** for *Diastatomma liasina* Gein., HANDLIRSCH (446) Fossil. Ins.

Argiolestes aureus Queensland, TILLYARD (178) Sydney N.S.W. Proc. Linn. Soc. N. S. Wales **31, sp. n.**

Atoconeura leopardina **sp. n.** Usambara, FÖRSTER (38) Mannheim Jahresber. Ver. Natk. **71–72.**

Austrogomphus arbustorum (547) f. 1, *arenarius* (549) f. 2, *prasinus* (552) f. 3, Queensland, TILLYARD Sydney Proc. Linn. Soc. N.S.W. 30, **spp. n.**

Brechmorhoga vivax **sp. n.** Centr. America (280) pl. viii figs. 46–48, CALVERT Biol. Centr.-Amer. Neuropt.

Cannaphila, species tabulated (239, 240); *vibex* Hag. pl. viii f. 35, (243); CALVERT T.c.

Ceriagrion glabrum Burm., an African sp. in Australia, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31** (191).

Crocothemis ikutana **sp. n.** Brit. Ostafrika, FÖRSTER (271) Mannheim Jahresber. Ver. Natk. **71–72.**—*C. erythraea* subsp n. *pygmaea*, FÖRSTER T.c.—*C. erythraea* new for Australia TILLYARD, Sydney N.S.W. Proc. Linn. Soc. **31** (483) fig.

†*Diastotommidae* fam. n. for *Diastatomma* Gieb., HANDLIRSCH (465) Fossil. Ins.

Diplacodes tetra subsp n. *unimacula*, FÖRSTER (307) Wiesbaden Jahr. Ver. Natk. **59.**—*D. trivialis* Ramb., *D. nebulosa* Fabr. new for Australia, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31** (484).

Disparoneura alba **sp. n.** N.O. Afrika, FÖRSTER (338). Wiesbaden Jahrb. Ver. Natk. **59.**—*D. simba* Brit. East Africa, MARTIN (509) Bul. Mus. Paris 1906, **sp. n.**

Dythemis maya Mexico (275) pl. viii f. 45, *cannacrioides* Centr. and S. America (276) figs. 43 and 44, CALVERT Biol. Centr.-Amer. Neuropt., **spp. n.**

†*Epallagidae* fam. n., HANDLIRSCH (596) Fossil. Ins.

Ephidatia longipes Hag., *cubensis* Scudd., CALVERT (216, 217) Biol. Centr.-Amer. Neuropt.

Erythemis rufa. Ramb. new for Australia, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31** (483) fig.

Erythrodiplax; species characters, variation, synonymy (247–268), *E. ochracea* Burm. pl. ix f. 40, (255), *erichsoni* Kirby f. 42 (256); CALVERT, Biol. Centr.-Amer. Neuropt.—*Erythrodiplax berenice* and *Dythemis naeva*; CALVERT Ent. News **17** (99).

†*Euphaeopsis* **gen. n.** *Epallagidae* for *Euphaea multinervis* Hag., HANDLIRSCH (596) Fossil. Ins.

Gomphidae: taxonomy, FÖRSTER (322), Wiesbaden Jahrb. Ver. Naturk. **59.**

Hemistigmoides deceptor, FÖRSTER (304) T.c.

†*Heterothemis* **gen. n.**, *germanica* **sp. n.** Lias Mecklenburg, HANDLIRSCH (468) Fossil. Ins.

†*Heterophlebiidae* fam. n. for *Heterophlebia* Br. and W. (466), HANDLIRSCH T.c.

Heterophlebia geinitzi Lias Mecklenburg, Id. (467) T.c.

Hylaeagrion **gen. n.**, *argenteolineatum* **sp. n.**, FÖRSTER Insektenbörse Leipzig **23** (15–16).

Ischnura abyssinica (512), *elongata*, *urnifera*, (513), East Africa, MARTIN Bul. Mus. Paris 1906, **spp. n.**—*Ischnura*; taxonomy (334); *I.* (*Micronympha*) *schoana* **sp. n.** N. O. Afrika (332), FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59.**—*I. fragilis* Queensland, TILLYARD (186) Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

†*Isophlebiidae* fam. n. for *Isophlebia* Hag., HANDLIRSCH (583) Fossil. Ins.

Lestes somalicus **sp. n.** N. O. Afrika, FÖRSTER (339) Wiesbaden Jahrb. Ver. Natk. **59.**—*L. rothschildi* East Africa, MARTIN (508) Bul. Mus. Paris 1906, **sp. n.**—*L. tenuissimus* (179), *paludosus* (181), Queensland, TILLYARD Sydney N.S.W. Proc. Linn. Soc. N. S. Wales **31, spp. n.**—*L. leda* life-history, TILLYARD (409–423) plates xxxii and xxxiii T.c.

Leucorhinia parvula Müll. = (*dubia* Lind.); *L. triedra* Müll. = (*caudalis* Charp.), PETERSËN (252, 253) Ent. Mag. London **42.**

†*Liadothemis* **gen. n.**, *hydrodictyon* **sp. n.** Lias Mecklenburg, HANDLIRSCH (469) Fossil. Ins.

Libellago auripes **sp. n.** Usambara, FÖRSTER (54) Mannheim Jahresber. Ver. Natk. **71–72.**—*L. caligata* = (*hartmanni* Först.), FÖRSTER (331) Wiesbaden Jahrb. Ver. Naturk. **59.**

Libellula luctuosa = (*basalis* Say), CALVERT Ent. News **17** (30).

Macrodiplax lycoris Selys new for Australia, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31** (484).

Macromia pallidinervis (317), *monoceros* (319), *bicornis* (320), N. O. Afrika, **spp. n.**, FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59.**—*M. tillyardi* (Martin) Australia, TILLYARD (491) Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

Macrothemis inequiunguis to *Brechmorhoga*, CALVERT (236) Biol. Centr.-Amer. Neuropt.

† *Malmagrion* **gen. n.** for *Agrion eichstaltense* Hag., HANDLIRSCH (599) Fossil. ins.

† *Mesogomphus* **gen. n.** for *Libellula petrificata* Hag. and *L. jurassica* Gieb., HANDLIRSCH (592) Fossil ins.

Mesogomphus **gen. n.** *Gomphidae, nguelicus* (323), *bitarsatus* (325), **spp. n.**, N. O. Afrika, FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**.

† *Mesuropetala* **gen. n.** for fossil *Uropetala*, HANDLIRSCH (588) Fossil. ins.

Micrathyria dissocians Mexico and Porto Rico pl. ix figs. 19–21 (226), *schumanni* Central America pl. viii figs. 39 and 40 pl. ix f. 24 (227); CALVERT Biol. Centr.-Amer. Neuropt., **spp. n.**—*M. didyma* Selys pl. ix f. 12 (223), *atra* Martin figs. 13–15, *hageni* Kirb. figs. 16–18, (225), *ocellata* Mart. figs. 22 and 23 (226), *debilis* Hag. figs. 25–27 (229), *eximia* Kirb. figs. 28–30 (230), CALVERT T.c.

† *Nannogomphus* **gen. n.** (586), *bavaricus* **sp. n.** Kalk Bayern (587), HANDLIRSCH Fossil. Ins.

Nehalennia speciosa, colour variation; RIS (159–165) Bern Mitt. schweiz. ent. Ges. **11**.

Neocharis **gen. n.** (68), *cothurnata* **sp. n.** Surinam (70), FÖRSTER Mannheim Jahresber. Ver. Natk. **71–72**.

Neocysta Kirby, merged in *Orthemis*; CALVERT (332) Biol. Centr.-Amer. Neuropt.

Neodythemis miraculosa **sp. n.** Usambara, FÖRSTER (31), Mannheim Jahresber. Ver. Natk. **71–72**.

Nephepeltia flavifrons Karsch (as *Neothemis*) (230), *phryne* Perty pl. ix figs. 31–33 (231); CALVERT Biol. Centr.-Amer. Neuropt.

Orthemis ferruginea Fabr. pl. ix f. 34 (234); *O. biolleyi* Costa Rica pl. ix figs. 36 and 37 (237), *levis* Centr. and S. America figs. 38 and 39 (238), **spp. n.**; CALVERT T.c.

† *Oryctothemis* **gen. n.**, *hageni* **sp. n.** Lias Cheltenham, HANDLIRSCH (469) Fossil. Ins.

† *Parelthothemis* **gen. n.**, *dobbertinensis* **sp. n.** Lias Mecklenburg, HANDLIRSCH (470) T.c.

† *Petrothemis* **gen. n.**, *singularis* **sp. n.** Lias Mecklenburg, HANDLIRSCH (469) T.c.

† *Pheugothemis* **gen. n.** for *Libellula westwoodi* Phill., HANDLIRSCH (593) T.c.

Philonomon **gen. n.** *Libellulidae* (308), *erlangeri* N. O. Afrika (310) **sp. n.**, FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**; and Mannheim Jahresber. Ver. Natk. **71–72**.

Plathemis subornata, WILLIAMSON Ent. News **17** (351).

Podogomphus dendrohyrax **sp. n.** Usambara, FÖRSTER (326) Wiesbaden Jahrb. Ver. Natk. **59**.

† *Protomyrmeleonidae* fam. n. for *Protomyrmeleon* Geinitz, HANDLIRSCH (471) Fossil. Ins.

Pseudagrion acaciae Transvaal (56), *sikorae* Réunion (59), *sjostedti* Kamerun (62), *alcicorne* Madagaskar (64), **spp. n.**, FÖRSTER Mannheim Jahresber. Ver. Natk. **71–72**.—*P. bicoerulans* East Africa MARTIN (511) Bul. Mus. Paris 1906, **sp. n.**—*P. ignifer* (188), *aureofrons* (189), Queensland, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31**, **spp. n.**

† *Pseudoeuphaea* **gen. n.** (596), for *Euphaea areolata* Hag., *falsificata*, *obscura*, **spp. n.**, (597), Kalk Bayern, HANDLIRSCH Fossil. ins.

Pseudoleon superbus Hag., CALVERT (214–216) Biol. Centr.-Amer. Neuropt.

Rhyothemis alcestis Queensland, TILLYARD (482) Sydney N.S.W. Proc. Linn. Soc. **31**, **sp. n.**

Sapho iridipennis subsp. n. *occidentalis*, FÖRSTER (330) Wiesbaden Jahrb. Ver. Natk. **59**.

Skiallagma **gen. n.** *Agrionidae*, *baueri* **sp. n.**, FÖRSTER Insektenbörse Leipzig **23**.

Somatochlora; semicircularis group, WILLIAMSON Ent. News **17** (133–139) pls. v and vi.

† *Steleopteron* **gen. n.** *Steleopteridae* fam. n., *deichmulleri* **sp. n.** Kalk Bayern, HANDLIRSCH (598) Fossil. ins.

† *Stenophlebiidae* fam. n. for *Stenophlebia* Hag., HANDLIRSCH (581) T.c.

Sympetrum variegatum, Müll. = (*striolatum* Charp.) PETERSÉN (252) Ent. Mag. London **42**.—*S. vulgatum* and *striolatum*

characters, LUCAS (xcvii, xcviii) figs. 1 and 2, London Proc. ent. Soc. 1906.—*S. nigra* Queensland, TILLYARD (489) Sydney N.S.W. Proc. Linn. Soc. **31, sp. n.**

†*Tarsophlebia major* (580), *longissima* (581), Kalk Bayern, HANDLIRSCH Fossil. Ins., **spp. n.**

†*Tarsophlebiidae* fam. n. for *Tarsophlebia* Hag., HANDLIRSCH (467) T.c.

Tauriphila azteca Mexico, CALVERT (298) Biol. Centr.-Amer. Neuropt., **sp. n.**

Termitophorba **gen. n.** *Libellulidae* (305), *rufina* **sp. n.** N. O. Afrika (306) pl. A f. 7, FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**; and Mannheim Jahresber. Ver. Natk. **71–72.**

Tetrathemis flavescens Kirby new to Australia, TILLYARD Sydney N.S.W. Linn. Soc. **31** (487) fig.

Thermagrion **gen. n.**, *webbianum* **sp. n.** N. O. Afrika (336), FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59.**

Tholymis citrina Hag. pl. ix figs. 9–11 (220), CALVERT Biol. Centr.-Amer. Neuropt.

Tramea incerta = (*Libellula basalis* Burm.) CALVERT (30) Ent. News **17.**

Trithemis erlangeri (312) pl. A f. 5, *ellenbeckii* (314) f. 6, **spp. n.**, N. O. Afrika, FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59.**—*T. pluvialis* **sp. n.** Usambara, FÖRSTER (30) Mannheim Jahresber. Ver. Natk. **71–72.**

†*Tupus* **gen. n.** *permianus* **sp. n.** Permian of Kansas, SELLARDS (249–258) Amer. J. Sci. **22.**

Umma declivium **sp. n.** Usambara, FÖRSTER (51) Mannheim Jahresber. Ver. Natk. **71–72.**

Uracis imbuta Burm. pl. ix f. 6 (218), *fastigiata* Burm. figs. 7 and 8 (219), CALVERT Biol. Centr.-Amer. Neuropt.

†*Urogomphus* **gen. n.** for *Aeschna gigantea* Germ. etc., HANDLIRSCH (594) Fossil. ins.

Urothemis sanguinea, *designata* pl. A figs. 1–3 (316), FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59.**

Zygonyx komatina **sp. n.** Transvaal, FÖRSTER (25) Mannheim Jahresber. Ver. Natk. **71–72.**

Zyxomma petiolata description, habits, TILLYARD (480–482) Sydney N.S.W. Proc. Linn. Soc. **31.**

The memoir to which the following entries of Odonata refer was recorded in the Zoological Record, 1904.

(*Davidius fruhstorferi* MARTIN, Mission Pavie **3**, sp. n.)

(*Dysphaea basitincta* MARTIN, T.c. sp. n.)

(*Echo maxima* MARTIN, T.c. sp. n.)

(*Gomphidia krügeri* MARTIN, T.c. sp. n.)

(*Gomphus vermicularis* MARTIN, T.c. sp. n.)

(*Hagenius gigas* MARTIN, T.c. sp. n.)

(*Heterogomphus unicolor* MARTIN, T.c. sp. n.)

(*Macromia septima* (Selys in coll.) MARTIN, T.c. sp. n.)

(*Merogomphus* gen. n., *paviei* sp. n., MARTIN, T.c.)

(*Onychogomphus camelus* MARTIN, T.c. sp. n.)

(*Orolestes octomaculata* MARTIN, T.c. sp. n.)

(*Heterogomphus naninus* Tonkin, FOERSTER, Entomol. Ztg. Wien **24** 1905 (19), sp. n.)

(*Heterogomphus smithii* Selys, Rassenbildung, FOERSTER, Entomol. Ztg. Wien **24** 1905 (21).)

(*Ischnura heterosticta* Burm., dimorphism of female, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **30** (302–306).)

(*Toaeschna* gen. n. (21), *fontinalis*, Tonkin, sp. n , (24), FOERSTER, Entomol. Ztg. Wien **24** 1905 (21).)

†FOSSILS, OF EXTINCT ORDERS.

The classification of Insects, recent and fossil, HANDLIRSCH, Die fossilen Insekten; 4 parts Leipzig, 1906. To be completed in eight parts. In recording this work we have followed the classification of the author in so far as it relates to extinct orders of Insects. These are therefore arranged apart; but the novelties pertaining to existing orders are placed in our Record under their appropriate headings. The others we now deal with below. For a translation of the portions of the work relating to American fossil insects vide HANDLIRSCH, **2.** A portion of this

translation appeared before the original; hence some of the novelties are to be considered as named for the first time in the translation. Unfortunately the references to the original work are incomplete in the translation, so that many forms have the false appearance of being there described for the first time. A part of the translation may, however, have preceded in publication the corresponding part of the original work.

Carbonische Formation.

Ordnung Palaeodictyoptera.

(*Paläodictyopteron*) *anglicanum* England (62) pl. viii f. 16, *mazonum*, *latipenne*, *virginianum*, (63), N. America, Handlirsch Foss, Ins., **spp. n.**

Mammia **gen. n.**, *alutacea* **sp. n.** N. America, Handlirsch (68) T.c.

Titanodictya **gen. n.** for *Titanophasma jucunda* Scudd., Handlirsch (68) T.c.

Anagesthes **gen. n.** for *Termes affinis* Gold., Handlirsch (71) T.c.

Sagenoptera **gen. n.** for *Termes formosus* Gold., Handlirsch (72) T.c.

Acanthodictyon **gen. n.** for *Termes decheni* Gold., Handlirsch l.c.

Eumecoptera **gen. n.** for *Termes laxus*, Handlirsch (73) T.c.

Stilbocrocis **gen. n.** for *Termes heeri* Gold., Handlirsch (74) T.c.

Dictyoneurula **gen. n.** for *Dictyoneura gracilis* Kl., with *kliveri* **sp. n.** Rheinland, Handlirsch (75) T.c.

Gegenemene **gen. n.** for *Dictyoneura sinuosa*, Handlirsch (76) T.c.

Dictyoneura macrophlebia (Gold.) Rheinland, Handlirsch (78) T.c., **sp. n.**

Peromapteridae fam. n. for *P. filholi* Brongn., Handlirsch (79) T.c.

Megaptilidae fam. n. for *M. blanchardi* Brongn., Handlirsch (80) T.c.

Hypermegethes **gen. n.** *Hypermegethidae* fam. n. *schucherti* **sp. n.** N. America, Handlirsch (81) T.c.

Mecynopteridae fam. n. for *M. splendida* Handl., Handlirsch (82) T.c.

Lithomantidae fam. n for *L. carbonaria* Woodw. and *Lithosialis* Scudd., Handlirsch (82) T.c.

Hadroneuria **gen. n.** for *Gryllacris bohemica* Now., Handlirsch (84) T.c.

Eurytaenia **gen. n.**, *virginiana* **sp. n.** N. America, Handlirsch (86) T.c.

Eurythmopteryx **gen. n.**, *antiqua* **sp. n.** N. America, Handlirsch (86) T.c.

Propalingenia **gen. n.** for *Pal. feistmanteli* Fritsch, Handlirsch (86) T.c.

Catadyesthus **gen. n.** for *Acridites priscus* Andr., Handlirsch (87) T.c.

Lycocercus **gen. n.** *Lycocercidae* fam. n. for *Dictyoneura goldenbergi* Brongn., with *brongniarti* **sp. n.** France, Handlirsch (90) T.c.

Homoiopteridae fam. n., Handlirsch (91) T.c.

Graphiptiloides **gen. n.** for *Graphiptilus williamsoni* Brongn., Handlirsch (92) T.c.

Homoeophlebia **gen. n.** for *Homoioptera gigantea* Agnus, Handlirsch (93) T.c.

Heolus **gen. n.** *Heolidae* fam. n. (94), *providentiae* **sp. n.** Rhode island (95), Handlirsch T.c.

Breyeriidae fam. n. for *Breyeria borinensis* de Borre, Handlirsch (95) T.c.

Megaptiloides **gen. n.** for *Megaptilus brodiei* Brongn., Handlirsch (97) T.c.

Fouqueidae fam. n. for *Fouquea* Brogn., Handlirsch (98) T.c.

Graphiptilidae fam. n. with *Apopappus* **gen. n.** for *Spilaptera guernei* Brongn., Handlirsch (100) T.c.

Epitethe **gen. n.** for *Spilaptera meunieri* Brongn., Handlirsch (103) T.c.

Homaloneurina **gen. n.** for *Homaloneura bonnieri* Brongn., Handlirsch (106) T.c.

Homaloneurites **gen. n.** for *Homaloneura joannae* Brongn., Handlirsch (107) T.c.

Polycreagra **gen. n.** *Polycreagridae* fam. n. (110), *elegans* **sp. n.** N. America (111), Handlirsch T.c.

Eubleptus **gen. n.** *Eubleptidae* fam. n. (111), *danielsi* **sp. n.** N. America (112), Handlirsch T.c.

Metropator **gen. n.** *Metropatoridae* fam. n., *pusillus* **sp. n.** N. America, Handlirsch (112) T.c.

Brodiidae fam. n. for *Brodia* Scudd., HANDLIRSCH (113) T.c.

Paoliidae fam. n. for *Paolia* Sm., HANDLIRSCH (114) T.c.

Stygne **gen. n.** *Stygnidae* fam. n. (115), *roemeri* **sp. n.** Silesia (116), HANDLIRSCH T.c.

Aenigmatodes **gen. n.** *Aenigmatodidae* fam. n., *danielsi* **sp. n.** N. America, HANDLIRSCH (116) T.c.

Paramegaptilus **gen. n.** for *Megaptilus scudderi* Brongn., HANDLIRSCH (118) T.c.

Breyeriodes **gen. n.**, *klivevi* **sp. n.** Rheinland, HANDLIRSCH (118) T.c.

Campteroneura **gen. n.**, *reticulata* **sp. n.** N. America, HANDLIRSCH (118) T.c.

Orthogonophora **gen. n.**, *distincta* **sp. n.** N. America, HANDLIRSCH (119) T.c.

Bathytaptus **gen. n.**, *falcipennis* **sp. n.** N. America, HANDLIRSCH (119) T.c.

Palaiotaptus **gen. n.**, *mazonus* **sp. n.** N. America, HANDLIRSCH (119) T.c.

Leipsanon **gen. n.**, *reticulatum* **sp. n.** Belgium, HANDLIRSCH (120) T.c.

Pseudopaolia **gen. n.** for *Paolia lacoana* Scudd., HANDLIRSCH (120) T.c.

Parapaolia **gen. n.** for *Paolia superba* Scudd., HANDLIRSCH (121) T.c.

Pseudohomothetus **gen. n.** for *Hom. erutus* Matth., HANDLIRSCH (121) T.c.

Pseudopalingenia **gen. n.** for *Pal. feistmanteli* Fritsch, HANDLIRSCH (124) T.c.

Pseudofouquea **gen. n.** for *F. cambrensis* All., HANDLIRSCH (125) T.c.

(*Palaeodictyopteron*) *mazonum, latipenne, virginianum* **spp. n.**, N. America, HANDLIRSCH, Washington U.S. Nat. Mus. Proc. **29** (688).

(*Paläodictyopteron*) *higginsi* **sp. n.** England, HANDLIRSCH (125) Fossil. Ins.

Ordnung **Mixotermitoidae** Ord. n. for *Mixotermes* and *Geroneura*, HANDLIRSCH (127) T.c.

Ordnung **Reculoidea** Ord. n. (127) *Reculidae* fam. n., *Recula* **gen. n.**, *parva* **sp. n.** Sachsen (128), HANDLIRSCH T.c.

Ordnung **Protorthoptera** ord. n.

Spaniodera **gen. n.** *Spanioderidae* fam. n., *ambulans* **sp. n.** N. America, HANDLIRSCH (129) T.c.

Gyrophlebia **gen. n.**, *longicollis* **sp. n.** N. America, HANDLIRSCH (129) T.c.

Camptophlebia **gen. n.** for *Dictyoneura clarinervis* Mel., HANDLIRSCH (130) T.c.

Paracheliphlebia **gen. n.** for *C. extensa* Mel., HANDLIRSCH (131) T.c.

Metacheliphlebia **gen. n.** for *C. elongata* Scudd., HANDLIRSCH (132) T.c.

Disconurites **gen. n.** for *Di. rigidus* Scudd., HANDLIRSCH (133) T.c.

Metryia **gen. n.**, *analis* **sp. n.** N. America, HANDLIRSCH (133) T.c.

Ischnoneuridae fam. n. for *Ischnoneura* Brongn., HANDLIRSCH (133) T.c.

Cnemidolestes **gen. n.** *Cnemidolestidae* fam. n., for part of *Protophasma*, HANDLIRSCH (135) T.c.

Prototettigidae fam. n. for *Prototettix* Gieb., HANDLIRSCH (135) T.c.

Homalophlebidae fam. n. (136) T.c.

Parahomalophlebia **gen. n.** for *H. courtini* Brongn., HANDLIRSCH (137) T.c.

Protokollariidae fam. n. for *Protokollaria* Brongn., HANDLIRSCH (137) T.c.

Pachytylopsidae fam. n. for *Pachytylopsis* de Borre, HANDLIRSCH (129) T.c.

Thoronysis **gen. n.** for *Oedischia ingbertensis*, Id. T.c.

Laspeyresiidae fam. n. for *Laspeyresia* Schl., HANDLIRSCH (140) T.c.

Caloneuridae fam. n. for *Caloneura* Brongn. Id. l.c.

Sthenaropodidae fam. n. for *Sthenaropoda* Brongn. Id. (141).

Oedischiidae fam. n. for *Oedischia* Brongn., HANDLIRSCH (142) T.c.

Progenentomum **gen. n.** *carbonis* **sp. n.** N. America, Id. (145) T.c.

Omalidae fam. n. for *Omalia* Van Beu., Id. (145) T.c.

Geraridae fam. n. for *Gerarus* Scudd., Id. (146) T.c.

Gerarus longus, danielsi, (147), *angustus* (148), N. America, Id. T.c., **spp. n.**

Geraroides **gen. n.** for *Dieconeura maxima* Mel., HANDLIRSCH (704) Washington U.S. Nat. Mus. **29**.

Sthenaroceridae fam. n. for *Sthenarocera* Scudd., Id. (149) Fossil. Ins.

Ordnung **Protoblattoidea** ord. n., HANDLIRSCH (151) T.c.

(*Protoblattoidea*) *sellardsi, minor*, N. America, **spp. n.**, Id. (152) T.c.

Stenoneuridae fam. n. for *Stenoneura* Brongn., Id. l.c.

Stenoneurites **gen. n.** for *maximi* Brongn., Id. (153) T.c.

Eoblatta **gen. n.** *Eoblattidae* fam. n. for *Leptoneura robusta* Brogn., Id. (155) T.c.

Oryctoblattinidae fam. n. (155) T.c.

Oryctoblattina americana, latipennis, N. America, Id. (157) T.c., **spp. n.**

Blattinopsis anthracina N. America, HANDLIRSCH (160) T.c., **sp. n.**

Glaphyrophlebia **gen. n.**, *pusilla* **sp. n.** N. America, Id. (161) T.c.

Aetophlebidae fam. n. for *Aetophlebia* Scudd., Id. T.c. (163).

Cheliphlebidae fam. n. for *Cheliphlebidae* Scudd., Id. T.c. (164).

Eucaenidae fam. n. (164), *Eucaenus rotundatus* **sp. n.** (165), Id. T.c.

Gerapompidae fam. n. for *Gerapompus* Scudd., *G. schucherti* **sp. n.** N. America, Id. (166) T.c.

Adiphlebidae fam. n. for *Adiphlebia* Scudd., Id. T.c. (167).

Anthracothremmidae fam. n. for *Anthracothremma* Scudd., Id. T.c. (169).

Megalometer **gen. n.**, *lata* **sp. n.** N. America, HANDLIRSCH (169) T.c.

Pseudetoblattina **gen. n.** for *Etoblattina reliqua* Scudd., Id. (169) T.c.

Agogoblattina **gen. n.** for *Oryctoblattina occidua* Scudd., HANDLIRSCH (170) T.c.

Polyetes **gen. n.**, *furcifer* **sp. n.** N. America, Id. T.c. (170).

For Fossil BLATTOIDEA *vide* p. 440 BLATTIDAE.

Ordnung **Hadentomoidea**, Ord. nov.

Hadentomum **gen. n.**, *americanum* **sp. n.**, N. America, HANDLIRSCH (693) Washington U.S. Mus. Proc. **29.**

Ordnung **Hapalopteroidea**, Ord. nov.

Hapaloptera **gen. n.**, *gracilis* **sp. n.** N. America, HANDLIRSCH (694) Washington U.S. Nat. Mus. Proc. **29.**

Ordnung **Protodonata.**

Protagrionidae fam. n. for *Protagrion*, HANDLIRSCH (304) Fossil. Ins.

Meganeuridae fam. n. for *Meganeura* Brongn., Id. (306) T.c.

Meganeura brongniarti (308), *fafnir* (309), Commentry, Id. T.c., **spp. n.**

Palaeotherates **gen. n.**, *P. pennsylvanicus* **sp. n.** N. America, HANDLIRSCH (690) Washington U. S. Nat. Mus. **29.**

Meganeurula **gen. n.** for *Meganeura selysii* Brongn., HANDLIRSCH (310) T.c.

Paralogidae fam. n. for *Paralogus aeschnoides* Scudd., Id. (310) T.c.

Ordnung **Protephemeroidea** Ord. n.

Triplosoba **gen. n.** *Triplosobidae* fam. n., for *Blanchardia pulchella* Brongn., HANDLIRSCH (312) Fossil. Ins.

Ordnung **Megasecoptera.**

Diaphanopteridae fam. n. for *Diaphanoptera* Brongn. and *Campyloptera* Brongn., HANDLIRSCH (315) Fossil. Ins.

Mischopteridae fam. n., Id. (316) T.c.

Rhaphidiopsidae fam. n. for *Rhaphidiopsis* Scudd., Id. (319) T.c.

Adiaphtharsia **gen. n.**, *A. ferrea* **sp. n.** N. America, HANDLIRSCH (691) Washington U. S. Nat. Mus. **29.**

Ordnung **Protoblattoidea,** Permische Formation.

Oryctomylabris **gen. n.** for *Oryctoblattina oblonga* Deichm., HANDLIRSCH (346) Fossil. Ins.

Pseudofulgora **gen. n.** for *Fulgora ebersi* Dohrn, Id. (347) T.c.

Ordnung **Protohemiptera** Ord. n. for *Eugereon boeckingi* Dohrn, HANDLIRSCH (387) Fossil. Ins.

Ordnung **Palaeohemiptera.**

Prosbolidae fam. n. for *Prosbole* Handl., HANDLIRSCH (390) T.c.

Scytinopteridae fam. n. for *Scytinoptera* Handl., Id. (391) T.c.

Dysmorphoptila **gen. n.** *Dysmorphoptilidae* fam. n., for *Belostoma liasina* Gieb., HANDLIRSCH (492) T.c.

Incertae sedis.

Parahaplophlebium **gen. n.** for *Haplophlebium longipennis* Scudd., HANDLIRSCH (803) Washington U. S. Nat. Mus. Proc. **29.**

Pseudopolyernus **gen. n.** for *Polyernus laminarum* Scudd., HANDLIRSCH (803) Washington U. S. Nat. Mus. Proc. **29.**

Pseudogerarus **gen. n.**, *scudderi* **sp. n.** N. America, HANDLIRSCH (804) T.c.

Axiologus **gen. n.**, *thoracicus* **sp. n.** N. America, HANDLIRSCH (805) T.c.

Endoiasmus **gen. n.**, *reticulatus* **sp. n.** N. America, HANDLIRSCH (805) T.c.

Archimastax **gen. n.**, *americanus* **sp. n.** N. America, HANDLIRSCH (806) Washington U. S. Nat. Mus. Proc. **29.**

Archaeologus **gen. n.**, *falcatus* **sp. n.** N. America, HANDLIRSCH (807) T.c.

ORTHOPTERA.

Orthopteren- und Odonaten fauna des Gouvernement Novgorod. (Russ.) GRIGORJEV St. Peterburg Ber. Süsswasserst. Naturf. Ges. **2** (65–68).

Respiratory responses in the grasshopper to variations in pressure. ROLLER Lawrence Kan. Univ. Sci. Bull. **3** (209–221).

A Malpighian tube within the heart is accidental; RILEY Ent. News **17** (113–114) with text-fig.; also CALVERT T.c (179).

Tympanal organs, *Acridiodea*, *Locustodea*, *Gryllodea*, morphology and histology, SCHWABE Zoologica Heft 50 (vi + 154) 5 plates.

FORFICULIDAE.

8 Japanese species of *Forficulidae* described, of which 3 are new. MATSUMURA, S[chonen], und SHIRAKI, T. Sapporo, Journal of Sapporo Agricultural College **2** 1905 (75–86). Jahrbuch 1932

Five new species described and figured, Japan, SHIRAKI Sapporo Trans. Sapporo Nat. Hist. Soc. **1** (91–96) plate.

Mode of increase of antennal segments; TERRY (50) Honolulu Proc. Hawai. ent. Soc. **1.**

(BORELLI, Alfredo. Sur quelques Forficules des Pyrénées. Feuille jeunes natural., Paris, (ser. 4), **35**, 1905, (49–51, a. fig.).)

(GADEAU DE KERVILLE, Henri. Note sur les fonctions de la pince des Insectes Orthoptères de la famille des Forficulidès. Paris, Bul. Soc. zool., **30**, 1905, (53-63, av. fig.).)

Ancistrogaster festae Ecuador, BORELLI Torino Boll. Mus. **21** No. 528, **sp. n.**—*A. mixta* (12), *alfari* (14), *perdita* (16), Costa Rica, BORELLI Torino Boll. Mus. **21** No. 531, **spp. n.**

Anisolabis annandalei **sp. n.** India, BURR (389) Calcutta J. As. Soc. Beng. **2.**—*A. ambigua* (3), *armata* (4), Costa Rica, BORELLI Torino Boll. Mus. **21** No. 531, **spp. n.**—*A. mauritanica* l'accouplement et les œufs, GADEAU Paris Bull. soc. ent. **1906** (252–253).

Apterygida cagnii (3), *cavallii* (4), Ruwenzori, BORELLI Torino Boll. Mus. **21** No. 541, **spp. n.**

Chaetospania escalerae Biafra, BURR (294) Madrid Mem. Soc. esp. Hist. Nat. **1**, **sp. n.**—*C. pittarellii* Madagascar, BORELLI Torino Boll. Mus. **21** No. 533 (1–2) 1 fig.—*C. tricuspidata* **sp. n.** New-Guinea, BURR Nova Guinea **5** Livr. 1 (9–10).

Chelisoches annulatus **sp. n.** New Guinea, BURR L.c.

Forficula mesmini Caucase, AZAM (81) Paris Bull. Soc. entom. 1906, **sp. n.**—*F. auricularia* and *Labidura riparia*, gynandromorphs, PAOLI Boll. Soc. Zool. ital. **6** (203–206).—*F. auricularia*, spermatogenesis, ZWEIGER Zool. Anz. **30** (220–226) and *F. auricularia* Spermatogenese, ZWEIGER Jenaische Zs. Natw. **42** (143–172) 4 Taf.

Labia biolleyi (6), *tristani* (8), *conspicua* (9), Costa Rica, BORELLI Torino Boll. Mus. **21** No. 531, **spp. n.**—*L. trinitatis* (136), *insularis*, *modesta*, (137), *pictipennis* (138), Trinidad, BRUNER New York J. Ent. Soc. **14**, **spp. n.**

Labidura riparia Pall. var. *dumonti* nov. var., AZAM (80) Paris Bull. Soc. entom. **1906.**

Labidurodes coloratus **sp. n.** New-Guinea, BURR Nova Guinea **5** Livr. (9–10).

Neolobophora borellii Mexico, BURR (114) Ent. Mag. London **42, sp. n.**

Opisthocosmia roccatii Ruwenzori, BORELLI (2) Torino Boll. Mus. **21** No. 541, **sp. n.**

Pseudochelidura schmitzii Madeira, BORELLI T.c. No. 520 (1–3) 1 fig. —*P. biolleyi* Costa Rica, BORELLI (18) T.c. No. 531, **sp. n.**

Pyragra minor Costa Rica, BORELLI (1) T.c. No. 531, **sp. n.**

Sparatta pulchra Costa Rica, BORELLI (11) T.c. No. 531, **sp. n.**

Spongiphora robur Biafra, BURR (293) Madrid Mem. Soc. esp. Hist. Nat. **1**, **sp. n.**—*S. aloysii-sabandiae* Ruwenzori, BORELLI (1) Torino Boll. Mus. **21** No. 541, **sp. n.**

HEMIMERIDAE.

Hemimerus talpoides, habitat, habits, BOUVIER Paris Bull. soc. ent. **1906** (170–171);—habits, VOSSELER Pflanzer Tanga **2** (63–64).

BLATTIDAE.

Types of *Blattidae* described by Francis Walker, and now in the Hope Museum, Oxford; SHELFORD (487–509) London Trans. ent. soc. 1906. Gives the taxonomy and synonomy of 77 species.

Australian Blattidae; FROGGATT Agric. Gaz. Sydney N.S.W. **17** (440–447) 1 pl.

Viviparity in *Blattidae*, SHELFORD (509–514) London Trans. ent. Soc. 1906.

Drüsentaschen am Abdomen von *Periplaneta orientalis* und *Phyllodromia germanica*, OETTINGER Zool. Anz. Leipzig **30** (338–349).

Mitteldarmanlage *Phyllodromia germanica*, NUSBAUM und FULIŃSKI Zool. Anz. **30** (362–381).

Geological history, SELLARDS Pop. Sci. Month. **68** (244–250).

†Haben die paläozoischen Blattiden im Hinterflügel ein Praecostalfeld? SCHLECHTENDAL Zs. wiss. Insektenbiol. Husum **2** 1906 (47–50).

Allacta parva Borneo, SHELFORD (268) London Trans. ent. soc. 1906, **sp. n.**

Anaplecta maculata (240) pl. xv f. 7, *zeylanica* f. 8, *thwaitesi* f. 9, (241), Ceylon, *malayensis* f. 10, *obscura* f. 12, Malay penins., *borneensis* Sarawak f. 11, (242), *pulchra* Fernando Po, *dahomensis* Africa pl. xvi f. 2, (244), *brunneri* f. 1, *pavida* f. 3, (245), *fusca* f. 4, *varipennis* figs. 5 and 6, Ecuador, (246), *chrysoptera* Amazons pl. xvi f. 7; SHELFORD T.c., **spp. n.**—*A. pulchella* **sp. n.** Demerara, REHN (262) Philadelphia Proc. Acad. **58.**

Anaplectoidea **gen. n.** near *Anaplecta*, (247), *nitida* **sp. n.** Batchian pl. xvi figs. 8 and 9 (248), SHELFORD London Trans. ent. soc. 1906.

Aphlebia inusitata **sp. n.** Bahamas. REHN (113) New York Bull. Amer. Mus. **22.**

Areolaria signata Borneo, SHELFORD (273) London Trans. ent. soc. 1906, **sp. n.**

(*Blaberus biolleyi* REHN, Philadelphia, Pa. Proc. Acad. Nat. Sci. **57**, sp. n.)

Blatta (*Stylopiga*) *meridionalis* **sp. n.** Trinidad, BRUNER (141) New York J. Ent. Soc. **14.**—*B. orientalis*, Pharmacologie MICHALSKI Kraków Rozpr. Akad. **45** B (356–388) 11 fig.—*B. circumducta* and *longiuscula* Walk. cf. *Escala*, *B. xanthophila* Walk. cf. *Pseudothyrsocera*; *B. decorata* Serv. cf. *Homalosilpha*; *B. brasiliensis* Fabr. cf. *Epilampra.*

Blattella inexpectata **sp. n.** Demerara, REHN (268) Philadelphia Proc. Acad. **58.**

Corydia coerulea Borneo, SHELFORD (272) London Trans. ent. Soc. 1906, **sp. n.**

Cryptocercus spadicus **sp. n.** Japan, SHIRAKI (32) pl. ii f. 2 Annot. Zool. Jap. **6.**

Ectobiinae and *Phyllodromiinae* defined and recomposed, SHELFORD (231–234) London Trans. ent. Soc. 1906.

Epilampra guttigera Japan (21) pl. ii f. 7, *dimorpha* Ogasawara Ins. (22) f. 6, SHIRAKI Annot. Zool. Jap. **6, spp. n.**—*E. saravacensis* (268), *goliath*, *miranda*, (269), *flavomarginata* (270), Borneo; SHELFORD London Trans. ent. Soc. 1906, **spp. n.**—*E. varia* Walk., SHELFORD (500) pl. xxx f. 9 London Trans. ent. Soc. 1906.—*E. brasiliensis* Fabr. (as *Blatta*) type described (277), *burmeisteri* Guér. for *maculicollis* Brunner nec Serv. (276),

SHELFORD T.c. — *E.*, aquatic species, modification; ANNANDALE Calcutta J. As. Soc. **2** (105).

Escala **gen. n.** near *Theganopteryx* (238), for *Blatta circumducta* Walk., figured pl. xv f. 4, *longiuscula* Walk. f. 5, (239); also *E. insignis* **sp. n.** Australia (240) pl. xv f. 6; SHELFORD London Trans. ent. Soc. 1906.

†*Etoblattina fontanensis* **sp. n.**, Houiller supérieur Fontanes (Gard.) MEUNIER Paris Bul. soc. ent. **1906** (82–85) av. fig.

Eurycotis bahamensis **sp. n.** Bahamas, REHN (110) New York Bull. Amer. Mus. **22.**

Hemithyrsocera; composition, *H. histrio* synonymy (238), *lateralis* Walk. =(*major* Br.) titillator pl. xv f. 2; *H. ignobilis* Khasia hills **sp. n.** (238); SHELFORD London Trans. ent. Soc. 1906.

Homalopteryx adusta, Walk. (as *Epilampra*), SHELFORD (497) pl. xxx f. 6, T.c.

Homalosilpha decorata Serv. (as *Blatta*) from Borneo, figured pl. xiv f. 8, SHELFORD (270), T.c.

Homopteroidea **gen. n.** near *Latindia, nigra* **sp. n.** Borneo, SHELFORD (274) pl. xvi figs. 13 and 14 T.c.

Hormetica subcincta, Walk. (as *Brachycola*), SHELFORD (507) pl. xxx f. 8 T.c.

Ischnoptera excavata pl. xvi f. 11, (265), *montis* f. 10 (266), Borneo, SHELFORD T.c., **spp. n.**—*I. nyctiboroides* **sp. n.** Demerara, REHN (266) Philadelphia Proc. Acad. **58.**

Mallotoblatta obscura Madras, SHELFORD (234) London Trans. ent. Soc. 1906, **sp. n.**

Miroblatta **gen. n.** near *Archiblatta*, (271), *petrophila* **sp. n.** Borneo pl. xiv f. 4 (272); SHELFORD T.c.

Opisthoplatia maculata **sp. n.** Formosa, SHIRAKI (32) pl. ii f. 4 Annot. Zool. Jap. **6.**

Paranauphoeta atra Borneo, *affinis* Bhutan, SHELFORD (275) London, Trans. ent. Soc. 1906, **spp. n.**

Periplaneta picea (26) pl. ii f. 3, *striata* (27) f. 5; SHIRAKI Annot. Zool. Jap. **6, spp. n.**—*P. bioculata* (de Sauss.) India, PAIVA (346) Calcutta J. As. Soc. Beng. **2, sp. n.**

Phyllodromia treitliana, arundinicola, (377), *angustefasciata* (378), Nile, WERNER Wien Sitz.Ber. Ak. **114** abt. 1, **spp. n.**—*P. pallidiola* **sp. n.**, SHIRAKI Annot. Zool. Jap. **6** (20) pl. ii. f. 1.—*P. infuscata* (139), *P.* (?) *binotata* (140), Trinidad, BRUNER New York J. Ent. Soc. **14, spp. n.**—*P. contingens*, Walk. (as *Blatta*), SHELFORD (490) pl. xxx f. 4 London Trans. ent. Soc. 1906.—*P. laticeps* Walk. and *laticaput* Br. to *Pseudophyllodromia*, SHELFORD T.c. (267).—*Pinaconota obliqua*, Walk. (as *Blatta*), SHELFORD (496) pl. xxx f. 5, T.c.

Polyphaga aegyptiaca, Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obšč. **27** (1–192).

Pseudectobia bipunctata Walk. (as *Blatta*), SHELFORD (495) pl. xxx f. 3 London Trans. ent. Soc. 1906.

Pseudomops; species and synonymy, (252–262), table (263–265); *neglecta* Brazil (256), *burri* Ecuador (257) pl. xiv f. 1, *magna, albostriata*, (259), *bicolor* (260) pl. xvi f. 12 and pl. xiv f. 7, Ecuador, **spp. n.**; SHELFORD T.c.

Pseudophyllodromia pulcherrima Borneo (266) pl. xiv f. 3, SHELFORD London Trans. ent. Soc. 1906, **spp. n.**; cf. also *Phyllodromia.*—*P. prona* **sp. n.** Demerara, REHN (264) Philadelphia Proc. Acad. **58.**

Pseudothyrsocera **gen. n.** (250) for part of *Pseudomops* viz. *pica* and *scutigera* Walk. and *Blatta xanthophila* Walk., also *P. montana* Borneo, *ruficollis* Penang pl. xiv f. 6, **spp. n.**; SHELFORD London Trans. ent. Soc. 1906.—*P. xanthophila*, Walk. (as *Blatta*) SHELFORD (489) pl. xxx figs. 1, 2, T.c.

Salganea humeralis Philippines, CAUDELL (136) Canad. Entomol. **38, sp. n.**

Sphecophila **gen. n.** near *Attaphila*, (515), *polybiarum* **sp. n.** Fr. Guiana with *Polybia* (518) pl. xxx figs. 10–12, SHELFORD London Trans. ent. Soc. 1906.

†*Stantonia* **gen. n.** *cretacea* **sp. n.** cretaceous of Montana, HANDLIRSCH Washington D.C. Smithsonian Inst. U. S. Nation. Mus. Proc. **29** (655–656) with fig.

Stenoblatta parallela Walk., SHELFORD (502) pl. xxx f. 7 London Trans. Ent. Soc. 1906.

Theganopteryx; various notes, *T. senegalensis* and *Blatta amoena* Walk., *aethiopica* titillator pl. xv f. 3, (235–237)

bouvieri Madagascar, *gambiensis* Africa, **spp. n.**, (236); SHELFORD, T.c.

Thyrsocera; redefined (249), the species (250), *T. speciosa* pl. xiv f. 5, SHELFORD T.c.

†Fossil Blattidae.

The following new families genera and species of Blattoidea are described by HANDLIRSCH from **Carboniferous** and **Permian** deposits: the original descriptions are to be found in two places, viz. Fossil. Ins. and P. U. S. Mus. **29.**

(*Blattoidea*) *schucherti, sellardsi, melanderi*, (179), *schuchertiana, sellardsiana*, (180), N. America, HANDLIRSCH Fossil. Ins., **spp. n.**

Archimylacridae fam. n., (181).

Palaeoblatta **gen. n.** for *Archimylacris paucinerva* Scudd., (182).

Aphthoroblattina **gen. n.** for *Etoblattina johnsoni* etc., (183).

Parelthoblatta **gen. n.** for *Archimylacris belgica* Handl., (183).

Polyetoblatta **gen. n.**, *calopteryx* **sp. n.** N. America, (184).

Dictyoblatta **gen. n.** for *Blattina dresdensis* Geinitz, (185).

Kinklidoblatta **gen. n.** for *Etoblattina lesquereuxii* Scudd., (185).

Kinklidoptera **gen. n.** (185), *vicina* **sp. n.** Böhmen (186).

Amorphoblatta **gen. n.**, *brongniarti* **sp. n.** France, (186).

Adeloblatta **gen. n.** for *Progonoblattina columbiana* Scudd., (186).

Mesitoblatta **gen. n.** (187), *brongniarti* **sp. n.** France (188).

Sooblatta **gen. n.** for *Blattina lanceolata* Sterz., (188).

Elaphroblatta **gen. n.** for *Anthracoblattina ensifer* Brongn., (190).

Plagioblatta **gen. n.**, *campbelli* **sp. n.** N. America, (191).

Schizoblatta **gen. n.** (191), *alutacea* **sp. n.** N. America (192).

Hesperoblatta **gen. n.**, *abbreviata* **sp. n.** France, (192).

Archoblattina scudderi N. America, (193), **sp. n.**

Gyroblatta **gen. n.** for *Etoblattina clarkii* Scudd., (194).

Dysmenes **gen. n.** *Etoblattina illustris* Scudd., (194).

Phoberoblatta **gen. n.** (194) *grandis* **sp. n.** N. America (195).

Eumorphoblatta **gen. n.** for *Neomylacris heros* Scudd., (195).

†*Apotypoma* **gen. n.**, *longa, platyptera*, **spp. n.**, Böhmen.

Sterzelia **gen. n.** for *Etoblattina steinmanni* St., (197).

Platyblatta **gen. n.** for *Etoblattina steinbachensis* etc., (197).

Gongyloblatta **gen. n.** *fritschi* **sp. n.** Böhmen, (198).

Syncoptoblatta **gen. n.** (199), *thoracica* **sp. n.** Frankreich (200).

Miaroblatta **gen. n.**, *elata* **sp. n.** Frankreich (201).

Auxanoblatta **gen. n.** (201), *saxonica* **sp. n.** Sachsen (202).

Stephanoblatta **gen. n.** for *Etoblattina gaudryi* Agn., (202).

Asemoblatta **gen. n.** *pennsylvanica, danielsi*, **spp. n.** N. America, HANDLIRSCH (725) P. U. S. Mus. **29.**—*A. brongniartiana* Frankreich, (203) Fossil. Ins., **sp. n.**

Phyloblatta **gen. n.**, *macroptera* (731), *cassvilleana* (733), *regularis, abbreviata*, (734), *elatior, dichotoma, fracta, arcuata, mortua*, (735), *vulgata, virginiana, debilis*, (736), *scudderiana, dimidiata, rebaptizata*, (738), *sellardsii*, (739) **spp. n.**, N. America, P. U.S. Mus. **29.**—*P. gallica* (205), *agnusi, brongniarti, stephanensis, alutacea*, (206), *reniformis* (207), Commentry, *frechi, nana*, Sachsen, (222), Fossil. Ins., **spp. n.**

Atimoblatta **gen. n.** *curvipennis*, (723), *reniformis* (724) **spp. n.** N. America, P. U. S. Mus. **29.**

Progonoblattina heeri Schweiz, (230) Fossil. Ins., **sp. n.**

Amoeboblatta **gen. n.** for *Gerablattina permanenta* Scudd., Washington P. U. S. Mus. **29** (740).

Liparoblatta **gen. n.** for *Gerablattina ovata* Scudd., (740) P. U. S. Mus. **29.**

Bradyblatta **gen. n.** for *Etoblattina sagittaria* Scudd., (741).

Exochoblatta **gen. n.** for *Petrablattina hastata* Scudd., (741).

Acosmoblatta **gen. n.** type *Gerablattina permacra* Scudd., (742).

Amblyblatta **gen. n.** for *Gerablattina lata* Scudd., (742).

Penetoblatta **gen. n.** for *Anthracoblattina virginiensis* Scudd., (743).

Pareinoblatta **gen. n.** for *Etoblattina expuncta* Scudd., (743).

Symphyoblatta **gen. n.** for *Etoblattina debilis* Scudd., (744).

Apempherus **gen. n.** type *Poroblattina complexinervis* Scudd., (744).

Olethroblatta **gen. n.** (745) *americana* (746) **sp. n.** N. America.

Cardioblatta **gen. n.** for *Mylacridium fritschi* Schl., (231) Fossil. Ins.

Xenoblatta **gen. n.** (745) for *Gerablattina fraterna*, Scudd., P. U. S. Mus. **29.**

Stygetoblatta **gen. n.** (746) *latipennis* (747) **sp. n.** N. America.

Distatoblatta **gen. n.** for *Etoblattina persistens* Scudd., (739).

Metaxys **gen. n.** for *Etoblattina fossa*, Scudd., (739).

Metaxyblatta **gen. n.** (729), *hadroptera* (730) **sp. n.** N. America.

Metachorus **gen. n.** (747), *striolatus* **sp. n.** (748) N. America.

Oxynoblatta **gen. n.**, *alutacea* **sp. n.** N. America, (748).

Discoblatta **gen. n.** for *Etoblattina scholfieldi* Scudd., (749).

Spiloblattinidae fam. n. for *Sysciophlebia* Handl. etc., (240) Fossil. Ins.

Sysciophlebia **gen. n.** (751), *whitei*, *scudderi*, (752), *hybrida*, *sellardsii*, *lawrenceana*, *affinis*, (753), *schucherti*, *picta*, (754), *adumbrata*, *rotundata*, (755), *nana*, *obtusa*, (756), *acutipennis*, (757), *fenestrata*, (759), **spp. n.**, N. America, P. U.S. Mus. **29.**—*S. oligoneura* Sachsen (244), Fossil. Ins., **sp. n.**

Dicladoblatta **gen. n.** for *Etoblattina tenuis* Scudd., (759) P. U. S. Mus. **29.**

Syscioblatta **gen. n.** *obscura*, *anomala*, *minor*, (760), *steubenvilleana* (761), *misera* (762), **spp. n.**, N. America.

Spiloblattina perforata **sp. n.** N. America, (762).

Ametroblatta **gen. n.** type *Etoblattina strigosa* Scudd., (763).

Arrhythmoblatta **gen. n.**, *scudderiana* **sp. n.**, N. America, (763).

Doryblatta **gen. n.** (764), *longipennis* **sp. n.** (765).

Atactoblatta **gen. n.**, *anomala* **sp. n.** N. America, (764).

(*Spiloblattinidae*) *gardinerana* N. America, (376) Fossil. Ins., **sp. n.**

Hemimylacris **gen. n.** (766) Fam. *Mylacridae*, *ramificata* (767) **sp. n.** N. America P. U.S. Mus. **29.**

Soomylacris **gen. n.** for *Etoblattina deanensis* Scudd., (259) Fossil. Ins.

Exochomylacris **gen. n.** (767), *virginiana* (768) **sp. n.** N. America, P. U.S. Mus. **29.**

Orthomylacris **gen. n.**, *analis*, (768), *regulosa*, *truncatula*, (769), *elongata*, (770), *alutacea*, *pennsylvanica*, (771) **spp. n.**, N. America.

Anomomylacris **gen. n.**, *cubitalis* (772) **sp. n.** N. America.

Stenomylacris **gen. n.** (772), *elegans* (773) **sp. n.** N. America.

Actinomylacris **gen. n.** (773), *vicina* (774) **sp. n.** N. America.

Phthinomylacris **gen. n.**, *cordiformis*, (774), *medialis* (775), **spp. n.**, N. America.

Chalepomylacris **gen. n.**, *pulchra* **sp. n.**, N. America (775).

Brachymylacris **gen. n.**, *elongata*, *cordata*, (776), *rotundata*, *mixta*, (777), **spp. n.** N. America.

Goniomylacris **gen. n.**, *pauper* (778) **sp. n.** N. America.

? *Mylacris sellardsii*, *M. similis*, (779), ? *M. dubia* (780), **spp. n.**, N. America.

? *Aphelomylacris* **gen. n.**, *modesta* **sp. n.** N. America (780).

Sphenomylacris **gen. n.** (781), *singularis* **sp. n.** (782) N. America

Amblymylacris **gen. n.** for *Etoblattina clintoniana* Scudd. and *Phomylacris harei* Scudd. (782).

(*Mylacridae*) *pseudocarbonum*, *carbonina* **spp. n.** N. America (784).

Pseudomylacridae fam. n. for *P. wettinense* Schl. (274) Fossil. Ins.

Idiomylacridae fam. n. (789), *Idiomylacris* **gen. n.**, *gracilis* (790) **sp. n.** N. America, P. U. S. Mus. **29.**

Neorthroblattinidae fam. n. for *Neorthroblattina* Scudd., (790).

Dictyomylacridae fam. n. for *Dictyomylacris* Brongn., (785).

Neomylacridae fam. n. *Neomylacris* (786) **gen. n.**, *major, pulla,* (787) *paucinervis,* (788), **spp. n.** N. America.

Pteridomylacridae fam. n. *Pteridomylacris* (788) **gen. n.**, *paradoxa* (789) **sp. n.** N. America.

Poroblattinidae fam. n. *Poroblattina brachyptera,* (791), *lata, richmondiana,* (792), **spp. n.**, N. America.

? *Systoloblatta* **gen. n.** for *Poroblattina ohioensis* Scudd., (792).

Mesoblattinidae fam. n. *Acmaeoblatta* **gen. n.**, *lanceolata* **sp. n.** N. America (793).

Dichronoblatta **gen. n.** for *Gerablattina minima* Scudd., (794).

Nearoblatta **gen. n.**, type *Nearoblatta parvula* Gold., (794).

Epheboblatta **gen. n.** for *Neorthroblattina attenuata* Scudd., (794).

Diechoblattinidae fam. n. *Nepioblatta* **gen. n.** for *Scutinoblattina brongniarti* Scudd., (795).

Brephoblatta **gen. n.** for *Scutinoblattina recta* Scudd., (796).

Phauloblatta **gen. n.** for *Blattina clathrata* Heer, etc., (350) Fossil. Ins.

Gondwanoblatta **gen. n.** (351), *reticulata* **sp. n.** Kashmir (352) Fossil. Ins.

Dromoblatta **gen. n.** for *Anthracoblattina sopita* Scudd., (352) Fossil. Ins.

Deichmulleria **gen. n.** for *Etoblattina ornatissima* Deichm., (352) Fossil. Ins.

Anomoblatta **gen. n.** for *Blattina ruckerti* Gold., (370) Fossil. Ins.

Proterema **gen. n.** *Proteremidae* fam. n., for *Blattina varinervis* Göpp., (380) Fossil. Ins.

(*Blattoidea*) *melanderi, schuchertiana, sellardsii, sellardsiana,* (800), *schucherti,* (801) **spp. n.** N. America, P. U. S. Mus. **29.**

The following new *Blattoidea* are described by Handlirsch (Fossil. Ins.) from **Mesozoic** deposits.

Mesoblattopsis **gen. n.** for *Mesoblattina bensoni* Scudd., (428).

Liadoblattina **gen. n.** for *Mesoblattina blakei* Scudd., (428).

Rhipidoblattina **gen. n.** for *Mesoblattina geikiei* Scudd., (429).

Caloblattina **gen. n.** for part of *Blattina,* (429).

Mesoblattula **gen. n.** for *Mesoblattina dobbertiniana* Gein., etc., (430).

Blattula **gen. n.**, *ancilla,* (431), *geinitzi* (432), *debilis, pusillima,* (433), **spp. n.**, Lias Mecklenburg., Fossil. Ins.

Pachyneuroblattina **gen. n.**, *rigida* **sp. n.** Lias Mecklenburg, (433).

Schambeloblattina **gen. n.** for *Blattina formosa* Heer, (433).

Actinoblattula **gen. n.**, *brodiei* **sp. n.** Lias England, (434).

Ophismoblatta **gen. n.** *Poroblattinidae* for *Blattina sibirica* Br. and *Periplaneta maculata* Br., (526).

Malmoblattina **gen. n.** for *Mesoblattina* part, (528).

Artitocoblatta **gen. n.** for *Rithma gossii* Scudd., (529).

Lithoblatta **gen. n.** for *Mesoblattina lithophila,* (530).

Rhipidoblattina **gen. n.** for *Mesoblattina bucklandi* Scudd., (531).

Elisama scudderi Purbeck England, (531) **sp. n.**

Durdlestoneia **gen. n.** for *Mesoblattina antiqua,* (532).

Nannoblattina brodiei Purbeck England, (534), **sp. n.**

Mesoblattina deichmulleri Kalk Bayern, (537), **sp. n.**

Megalocerca **gen. n.**, *longipes* **sp. n.** Kalk Bayern, (540).

Phasmidae.

Die Insektenfamilie der Phasmiden. Lfg. 1: Phasmidae areolatae (bearb. v. J. Redtenbacher). 1906, (1–180, mit 6 Taf.). Brunner v. Wattenwyl, K. und Redtenbacher, Jos. The synonymy given in this important work is not reproduced below. The descriptions in this Lieferung are by Redtenbacher.

Brunner von Wattenwyl, C. *Phasmidae.* Nova Guinea Résultats de l'Expédition scient. Néerl. à la Nouvelle Guinée en 1903. Leide **5** Livr. 1

1906 (13–15). Includes names, but not descriptions of new species.

Les appendices glandulaires de l'intestin moyen (*Phyllium crurifolium* Audinet Serville). BORDAS Paris C.-R. soc. biol. **60** 1906 (439–441), et Réunion biologique de Marseille **1906** (5–7).

Abrosoma **gen. n.** *virescens* Ceylon, (83), *carinulatum* Indien, *discolor* Java, *flavo-guttatum* Indien, (84), *abrosoma* Java, *modestum* Indien, *sericeum* Madras etc., *singulare*, *villosum*, Kodekanal, (85), *exiguum* Ceylon (86), **spp. n.**, REDTENBACHER Phasmidae.

Acanthoclonia erinaceus (62), *dicranum* (63), Columbia, **spp. n.**, REDTENBACHER T.c.

Agathemera anthracina Chile, *millepunctata* Argentinien, *sphaerocephala* Peru, **spp. n.**, REDTENBACHER (89) T.c.

Agrostia **gen. n.**, *amoena* Panama, *bipunctata* Amazonas, (110), **spp. n.**, REDTENBACHER T.c.

Alloeophasma **gen. n.** for *Phasma cubense* Sauss., REDTENBACHER T.c. (126).

Anisa **gen. n.** for *Phasma flavomaculatum* Gray, REDTENBACHER T.c. (100).

Anisacantha **gen. n.** (162), *albo-geniculata*, *difformis*, *vidua*, Madagaskar, (163), **spp. n.**, REDTENBACHER T.c.

Anisomorpha fasciata Bolivia (91), *longipennis* Cuba, *unicolor* Peru, (92), *coriacea* Neu-Granada, *lurida* Brasilien, *rugosa* Bolivien, (93), *boliviana* Bolivia, *jamaicana* Jamaica, (94), **spp. n.**, REDTENBACHER T.c.

Antherice **gen. n.**, *gracilis* **sp. n.** Bolivien, REDTENBACHER (109) T.c.

Antongila **gen. n.** (24), *aculeata*, *echinops*, *laciniata*, (25), *pungens*, 4-*tuberculata*, *simplex*, (26), *annulicornis*, *coronata*, *squamigera*, (27), *muricata*, (28), **spp. n.**, Madagaskar, REDTENBACHER T.c.

Ascepasma piceum, *viridi-lineatum*, Sumatra, (75), *modestum* Sumatra, *smaragdinum*, *xanti*, Borneo, (76), *superbum*, *versicolor*, Borneo, (77), **spp. n.**, REDTENBACHER T.c.

Autolyca blapoides Ecuador, *pentlandi* Peru, *picturata* Chile, (95), *albifrons* Neu-Caledonien (96), *flavolimbata* Ecuador (97), **spp. n.**, REDTENBACHER T.c.—*A. doylei* **sp. n.** Colombia, CAUDELL Ent. News **17** (192–193).

Batycharax auriculatus **sp. n.** W. Afrika, REDTENBACHER Phasmidae (13).

Brizoides **gen. n.**, *flavipennis* Brasilien, *nigricornis* Panama, (112), *amabilis* Venezuela, *graminea* Bugaba, *lacteipennis* Amazonas. *minutissima* Montevideo, (113), **spp. n.**, REDTENBACHER T.c.

Canuleius 20-*spinosus* (66), 24-*spinosus*, *metzi*, (67), *inermis*, *nudiceps*, *pullus*, *similis*, (68), *pygmaeus* (69), Brasilien, **spp. n.**, REDTENBACHER T.c.

Ceroys cristatus Brasilien (60), *pusillus* Peru, *quadrispinosus* Columbien, (61), **spp. n.**, REDTENBACHER T.c.—*C. lituus* **sp. n.** Demerara, REHN (277) Philadelphia Proc. Acad. **58**.

Chitoniscus lobipes Fidschi-Ins. (178), *erosus* Neu-Guinea (179), **spp. n.**, REDTENBACHER Phasmidae.

Chlorophasma **gen. n.**, *hyalina* **sp. n.** Panama, REDTENBACHER (114) T.c.

†*Chresmodidae*, the family and forms, HANDLIRSCH (523–526) Fossil. ins.

Cirsia **gen. n.**, *finoti*, *madegassa*, Madagaskar, **spp. n.**, REDTENBACHER, Phasmidae (22).

Citrina **gen. n.** for *Phasma prasina* and *P. venilia*, REDTENBACHER (109) T.c.

Clonistria linearis, BRUNER (144) New York J. ent. Soc. **14**.

Creoxylus hageni Venezuela (142), *impennis* hab.? (143), **spp. n.**, REDTENBACHER Phasmidae.

Dajaca monilicornis **sp. n.** Borneo, REDTENBACHER (162) T.c.

Damasippoides albomarginatus, *erythropterus*, *sykorai*, (158), *spinicollis* (159), Madagaskar, **spp. n.**, REDTENBACHER T.c.

Damasippus fuscipes Panama (147), *intermedius* Bogota, *piceipennis* Bolivien, *pulcher* Brasilien, (148), *staudingeri* Brasilien, *striatus* Columbien, *unilineatus discoidalis*, Brasilien, (149), **spp. n.**, REDTENBACHER T.c.

Dares (*Epidares* subgen. n.) *hämatacanthus*, (54), *D. verrucosus*, *breitensteini*, Borneo, *calamita* hab.?, (55), *corticinus* Borneo, *subcylindricus* Tongking, (56), **spp. n.**, REDTENBACHER T.c.

Datames mitratus Malakka (50), *moluccanus* Celebes, *arietinus* Sumatra,

cylindripes Java, (51), *pusillus* Cochin China (52), **spp. n.**, REDTENBACHER T.c.

Dina **gen. n.**, *ruficornis*, *saginata*, Borneo, **spp. n.**, also *Phasma guttigerum* Westw., REDTENBACHER T.c. (86).

Dinelytron villosipes **sp. n.** Brasilien, REDTENBACHER T.c. (151).

Dixippus morosus, SCHMITZ Natur u. Offenb. Münster **52** (385-407).

Donusa glabriuscula **sp. n.** Chile, REDTENBACHER Phasmidae (99).

Epibacillus **gen. n.** for *Bacillus lobipes* Luc., REDTENBACHER T.c. (35).

Epidares **subgen. n.** vide *Dares*.

Eucles **gen. n.**, *imperialis* Columbien, *intermedius* Amazonas, (101), *bifasciatus* Costa Rica (102), **spp. n.**, REDTENBACHER Phasmidae.

Euphasma **gen. n.** (125), *bicorne* Süd-Amerika **sp. n.**, (126), REDTENBACHER T.c.

Harpuna **gen. n.** for *Dinelytron neptunus* Kaup, REDTENBACHER (130) T.c.

Heterocopus **gen. n.**, *leprosus* **sp. n.** Pelew-Inseln, REDTENBACHER (42) T.c.

Heteropteryx erringtoniae Malakak (169), *dipsacus* (170), *echinata*, *scabra*, *saussurei*, (171), Borneo, **spp. n.**, REDTENBACHER T.c.

Holca **gen. n.**, *annulipes* Columbien, *proxima* Costa Rica, **spp. n.**, REDTENBACHER (114) T.c.

Hoploclonia cuspidata **sp. n.** Borneo, REDTENBACHER (46) T.c.

Isagoras proximus Ecuador (133), *brevipes* Brasilien, *dentipes* Panama, *nitidus* Brasilien, (134), *plagiatus* Brasilien, (135), **spp. n.**, REDTENBACHER T.c.

Leocrates glaber, *mecheli*, Sumatra, **spp. n.**, REDTENBACHER (167) T.c.

Leprodes **gen. n.**, *dicranocollis*, *gibbifer*, Madagaskar, **spp. n.**, REDTENBACHER (23) T.c.

Leptynia attenuata var. n. *barretii*, TAVARES (95) Broteria **5.**—*L. fourniali* Sahara, BOLÍVAR (385) Madrid Bol. Soc. esp. Hist. nat. **6, sp. n.**; also in Foureau Mission saharienne fásc. **3.**

Malacomorpha **gen. n.** *Anisomorphinae* (113), *androsensis* **sp. n.** Bahamas, (114), REHN New York Bull. Amer. Mus. **22.**

Melophasma **gen. n.**, *vermiculare* Brasilien **sp. n.**, REDTENBACHER Phasmidae (157).

Metriotes armatus Columbien (139), *iphicles* Honduras, *pericles* Brazilien, (140), **spp. n.**, REDTENBACHER T.c.

Mirophasma **gen. n.**, *cirsium* **sp. n.** Columbia, and part of *Ceroys*, REDTENBACHER (64) T.c.

Nanophyllium **gen. n.**, *pygmaeum* **sp. n.** Neu-Guinea, REDTENBACHER (180) T.c.

Neophasma **gen. n.** (124), *granulosum*, *peruanum*, *scabriusculum*, Peru, *subapterum* Venezuela, (125), **spp. n.**, REDTENBACHER T.c.

Ocnobius **gen. n.**, *lobulatus* **sp. n.** Kiboscho, REDTENBACHER (29) T.c.

Oestrophora **gen. n.**, *triangulifera* **sp. n.** Surinam, REDTENBACHER (124) T.c.

Olcyphides cancellatus **sp. n.** Canton, REDTENBACHER (108) T.c.

Olinta **gen. n.** for *Metriotes bubastes* Westw., REDTENBACHER (131) T.c.

Obrimus lacerta (39), *foveolatus*, (40), Philippinen, *asperrimus*, *muscosus*, Borneo, (41), **spp. n.**, REDTENBACHER T.c.

Onogastris **gen. n.** (23), *exsiccata*, *pardalina*, Madagaskar, (24), **spp. n.**, REDTENBACHER T.c.

Orestes **gen. n.**, *verrucatulus* **sp. n.** Siam, REDTENBACHER (47) T.c.

Orobia vaginata, *brevivalvis*, *operculata*, (70), *concolor*, *intermedia*, *spinosa*, (71) *adusta*, *maculipes*, (72), *flaviceps*, *nigrotuberculata*, (73), Madagaskar, **spp. n.**, REDTENBACHER T.c.

Pachyphloea **gen. n.**, *aberrans* **sp. n.** Ecuador, REDTENBACHER T.c.

Paranisomorpha **gen. n.**, *insignis* **sp. n.** Costa Rica, REDTENBACHER (90) T.c.

Paraphasma **gen. n.** (114), *amabile* Peru, *marginale* Brasilien, (115), *minus* Amazonas (116), *cognatum* Ecuador, *conspersum* Brasilien, (117), **spp. n.**, REDTENBACHER T.c.

Paraprisopus **gen. n.**, *folliculatus* **sp. n.** Ecuador, REDTENBACHER (156) T.c.

Parastratocles **gen. n.**, *aeruginosus* **sp. n.** Peru, REDTENBACHER (107) T.c.

Parectatosma sakavalanum (165), *cervinum* (166), Madagascar, **spp. n.**, REDTENBACHER T.c.

Periphloea **gen. n.** (151), *corticina* **sp. n.** Guyana (152), REDTENBACHER T.c.

Perliodes **gen. n.** (136), *affinis*, *griseseens*, Brasilien, *obscurellus* Ecuador, (137), *sexmaculatus* (138), **spp. n.**, and *nigro-granulosus* **nom. n.** für *cinereus* Burm., REDTENBACHER T.c.

Phaeophasma **gen. n.**, *alatum* **sp. n.** Borneo, REDTENBACHER (161) T.c.

Phalces unilineatus **sp. n.** Madagaskar, REDTENBACHER (28) T.c.

Phantasca **gen. n.** for part of *Phasma*, REDTENBACHER (111) T.c.

Phasma flavicorne Brasilien, *flavipenne*, *annulipes*, Bolivia, *marmoratum* Columbia etc., (119), *fulvum* Cordilleren, *rufipes* Peru, (120), *velutinum* Peru (121), *acanthonotus* Peru, *bispinosum* Ecuador, (122), *illustre* Amazonas (123), **spp. n.**, REDTENBACHER T.c.

Phryganistria grandis **sp. n.** Tonkin REHN (279) Philadelphia Proc. Acad. **58**.

Phyllinae : Ceylonese species characters etc. ; GREEN Spolia zeylan. **3** (220-222) 2 plates.

Phyllium crurifolium Systeme nerveux sous-intestinal, BORDAS Rennes Bul. soc. sci. méd. **15** 1906 (98–100); Structure des cæcums, BORDAS Paris C.-R. Acad. sci. **142** (649–650).—*P. frondosum* (175), *caudatum* (176), Neu-Guinea, **spp. n.**, REDTENBACHER Phasmidae.

Planudes brunni Venezuela, *funestus* Columbia (132), **spp. n.**, REDTENBACHER T.c.

Platymorpha **gen. n.**, *cochinchinensis* Cochin China, (46), *bengalensis* Bengalen and Java (47), **spp. n.**, REDTENBACHER T.c.

Presbistus fulvescens Ostindien, *nigrogeniculatus* (80), *marginatus* (81), *fulvipennis* (82), Borneo, **spp. n.**, REDTENBACHER T.c.

Prexaspes viridipes Peru (129), 4-*guttatus* Brasilia (130), **spp. n.**, REDTENBACHER T.c.

Prisopus piperinus **sp. n.** Cayenne, REDTENBACHER (154) T.c.

Pseudodatames **gen. n.**, *alluaudi*, *memorabilis*, Madagaskar, **spp. n.** REDTENBACHER (21) T.c.

Pseudoleosthenes **gen. n.**, *dubiosus*, *scaberrimus*, (159), *irregularis* (160), Madagaskar, **spp. n.**, REDTENBACHER T.c.

Pterobrimus **gen. n.**, *depressus* **sp. n.** Fidji-Ins., REDTENBACHER (43) T.c.

Pygirhynchus muricatus (58), *bispinosus*, *granulosus*, (59), Brasilien, **spp. n.**, REDTENBACHER T.c.

Pylaemenes infans **sp. n.** Borneo, REDTENBACHER (49) T.c.

Setosa **gen. n.** (65), *versicolor* Columbia **sp. n.** (66), REDTENBACHER T.c.

Stenobrimus **gen. n.**, *bolivari* **sp. n.** Philippinen, REDTENBACHER (37) T.c.

Stratocles rufipes Columbia (103), *soror* Nicaragua, *adelphus* Bolivia, *carbonarius* Peru, *flavipes* Amazonas, *lugubris* Bolivia, (106), *roseipennis* Columbia (107), **spp. n.**, REDTENBACHER T.c.

Taenionema **nom. n.** pro *Taeniosoma* Bol. 1897, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. nat. **6**.

Tenerella **gen. n.**, *tenerrima* **sp. n.** Columbia, REDTENBACHER Phasmidae (109).

Tisamenus armadillo **sp. n.** Philippinen, REDTENBACHER (44) T.c.

Xera **gen. n.** (145), *debilis* **sp. n.** Venezuela (146), REDTENBACHER T.c.

Xerantherix pinnatus (160), *parvipennis* (161), Madagaskar, **spp. n.**, REDTENBACHER T.c.

Xeropsis **gen. n.**, *sicca* **sp. n.** Chile, REDTENBACHER (145) T.c.

Xerosoma vignieri Paya (144), *michaelis* Brasilien (145), **spp. n.** REDTENBACHER T.c.

Xylica coriacea W. Afrika, 4-*spinosa* Zanzibar, (29), *abbreviata* Ost Afrika, *caligulata* Zanzibar, *madegassa* Madagaskar, (30), **spp. n.**, REDTENBACHER T.c.

(*Libethra auritus* REHN, Philadelphia Pa. Proc. Acad. Nat. Sci. **57**, sp. n.)

(*Oleyphides viridipes* REHN, T.c. sp. n.)

MANTIDAE.

Anatomie des glandes salivaires *Mantis religiosa*. BORDAS Rennes Bul. soc. sci. méd. **15** 1906 (64–68).

Anatomie et structure histologique des glandes mandibulaires des *Mantidæ* L. *Mantis religiosa.* BORDAS Paris C.-R. soc. biol. **60** 1906 (437–439) av. fig., et Réunion biologique de Marseille **1906** (3–5).

Angela guianensis **sp. n.** Demerara, REHN (273) Philadelphia Proc. Acad. **58.**

Aspidonotus spinosus, BOLÍVAR (386) Madrid Bol. Soc. esp. Hist. Nat. **6.**

Cilnia femoralis **sp. n.** D. Ostafrika, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (368).

Entella aliena Bagamoyo, *lamperti* Tanga, *minima* Kahe Kibuajo, *widenmanni* Moschi, **spp. n.,** WERNER T.c. (364).

Eremiaphila brunneri Jerusalem (384), *dawydowi* Dead Sea (385), *libyca* Libyia (387), *persica* Chorassan (388), *rohlfsi* Kufra Oasis (390), WERNER Wien Sitz. Ber. Ak. **114** Abt. 1, **spp. n.**—*E. klunzingeri* **sp. n.** Kosseir, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (316).—*E. foureaui* Sahara **sp. n.,** BOLÍVAR in Foureau mission saharienne fasc. 3.

†*Geinitzia* **gen. n.** *Geinitziidae* fam. n., *minor, debilis*, **spp. n.** Lias Mecklenburg, and *Gryllacris schlieffeni* Gein., HANDLIRSCH (427) Fossil. Ins.

Gongylus gongylodes, stridulation, WILLEY (226) Spolia zeylan. **3.**

†*Hagla anglica* Lias England, HANDLIRSCH (425) Fossil. Ins., **sp. n.**

†*Haglidae* fam. n. for *Hagla, Haglodes* and *Haglopsis*, HANDLIRSCH (425) T.c.

†*Haglodes* **gen. n.** for *Hagla similis*, HANDLIRSCH (425) T.c.

†*Haglopsis* **gen. n.** for *Orthophlebia parallela* Gieb., HANDLIRSCH (426) T.c.

Hierodula (Sphodromantis) occidentalis **sp. n.,** Deutsch Südwestafrika, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (366).

Liturgousa orientalis **sp. n.** Deutsch Ostafrika, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (372).

†*Palaeomantidae* fam. n. for *Palaeomantis* and *Petromantis*, HANDLIRSCH (348) Fossil Ins.

Parastagmatoptera vitrepennis **sp. n.** Trinidad, BRUNER (144) New York J. Ent. Soc. **14.**

Polyspilota heteroptera **sp. n.** Kamerun, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (365).

Rhombodera scutata in Africa, BOLÍVAR (384) Madrid Bol. Soc. esp. Hist. nat. **6.**

Sphodromantis bioculata, Aufzucht, Farbwechsel und Regeneration (Einschl. einiger Regenerationsversuche v. Stud. phil. Isaak Werber.) PRZIBRAM Arch. EntwMech. **22** (149–206) 4 Taf.

Tropidomantis africana **sp. n.** Bagamoyo, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (364).

GRYLLIDAE.

Catalogue of *Achetidae*, KIRBY Cat. Orthopt. **2** (1–110). We give below the new generic, but not the new specific names.

Stridulation, *Gryllus*, position of tegmina in sexes and its variation, LUTZ (207–209) Canad. Entomol. **38.**

†*Achaetites* **gen. n.** for *Acheta sedgwicki* Brod., HANDLIRSCH (523) Fossil. Ins.

Amblyrhethus **nom. n.** for *Amblyopus* Sauss., KIRBY (97) Cat. Orthopt. **2.**

Caconemobius **nom. n.** for *Paranemobius schauinslandi*, KIRBY (13) T.c.

Cylindracheta **nom. n.** for *Cylindrodes*, KIRBY (7) T.c.

Duolandrevus **nom. n.** for *Landrevus* Sauss., KIRBY (50) T.c.

Ectatoderus insularis **sp. n.** Trinidad, BRUNER (163) New York J. Ent. Soc. **14.**

Gryllodes mareoticus Alexandria, WERNER (434) Wien SitzBer. Ak. **114** Abt. 1, **sp. n.**

Gryllus campestris, Lebensgewohnheiten, DUDINSZKY Rovart L. **13** (192–193); hibernation etc., REGEN Zool. Anz. **30** (131–135); stridulation, Wien Sitz.Ber. Ak. Wiss. **114** Abt. iii (57–81) 1 pl.

†*Mesogryllus* **gen. n.** for *Blattidium achelous* Westw., HANDLIRSCH (523) Fossil. Ins.

Nemobius hafferli Nile, WERNER (433) Wien SitzBer. Ak. **114** Abt. 1, **sp. n.**—

N. funeralis **sp. n.** Texas, HART (159) Ent. News **17.**

Neocurtilla **nom. n.** for *Curtilla*, KIRBY (2) Cat. Orthopt. ii.

Neoxabea **gen. n.**, KIRBY (76) T.c.

Oecanthus immaculatus **sp. n.** Trinidad, BRUNER (164) New York J. Ent. Soc. **14.**

†*Protogryllus* **gen. n.**, *femina* **sp. n.** Lias Mecklenburg, HANDLIRSCH (424) Fossil. Ins.

Symphyloxiphus **gen. n.** near *Anaxipha*, *magnificum* **sp. n.** Costa Rica, REHN (603) Washington U. S. Nation. Mus. Proc. **30.**

(*Ectotrypa brevis* REHN, Philadelphia Pa. Proc. Acad. Nat. Sci. **57**, sp. n.)

LOCUSTIDAE OR PHASGONURIDAE.

Catalogue of *Phasgonuridae*, KIRBY Cat. Orthopt. **2** (111–486). We give below the new generic, but not the new specific names.

†*Acridomima* **gen. n.** for *Acridiites deperditus* Heer, HANDLIRSCH (422) Fossil. Ins.

Acridoxena hewaniana pl. x, BOLÍVAR (306) Madrid Mem. Soc. esp. Hist. Nat. **1.**

Anabropsis tonkinensis **sp. n.** Tonkin, REHN (284) Philadelphia Pa. Proc. Acad. **58.**

Amaureta **nom. n.** for *Amaura* Br. 1878, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6.**

Aniarella **nom. n.** pro *Aniara* Br. 1878, BOLÍVAR (391) T.c.

Arantia tigrina Fernando Po (330), *manca* Africa (332), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. **1, spp. n.**

Arantia gestroi Congo, GRIFFINI (384) Genova Ann. Mus. **42, sp. n.**

Astralia **gen. n.** for *Aprion albisellatum* Walk., KIRBY (298) Cat. Orthopt. **2.**

Azamia **gen. n.** *Phaneropterides* (339), *biplagiata* **sp. n.** Camerum (341), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. **1.**

Baryprostha bestiola **sp. n.** Sumatra, DOHRN (354) Stettiner ent. Ztg. **67.**

Bliastes insularis **sp. n.** Trinidad, BRUNER (160) New York J. Ent. Soc. **14.**

Brisilis chipmani **sp. n.** Trinidad, BRUNER (158) T.c.

Butleriella **nom. n.** for *Butleria* Br. 1888, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6.**

Ceraia similis, cornutoides **spp. n.**, Paraguay, CAUDELL, Washington (237) U. S. Nation. Mus. Proc. **30.**

Chondrodera maxima **sp. n.** Tonkin, REHN (281) Philadelphia Proc. Acad. **58.**

†*Conocephalites* **gen. n.** for *Conocephalus capito* Deichm., HANDLIRSCH (518) Fossil. Ins.

Conocephalus lyristes, measurements, REHN Ent. News **17** (366–367).—*C. basiguttatus* Camerum, BOLÍVAR (371) Madrid Mem. Soc. esp. Hist. nat. **1, sp. n.**

Cratioma **nom. n.** pro *Cratylus* Stål 1874, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6.**

†*Cyrtophyllites musicus* Kalk Bavaria, HANDLIRSCH (521) Fossil Ins., **sp. n.**

Cyrtophyllus elongatus (40), *furcatus, intermedius*, (41), United States, **spp. n.**, CAUDELL New York J. Ent. Soc. **14.**

Deflorita **nom. n.** pro *Exora* Br. 1878, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. **6.**

Desaulcya **gen. n.** *Pseudophyllides* (354), *pictipennis* **sp. n.** Camerum (355), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. **1.**

Diestrammena longipes (287), *palpata* (290). Tonkin, REHN Philadelphia Proc. Acad. **58, spp. n.**

Dolichopoda geniculata Costa dans les ruines d'Herculanum ; GIARD Paris Bull. soc. ent. **1906** (285–287).

Elbeniopsis **gen. n.** near *Paracaedicia* (356), *callipygos* **sp. n.** Sumatra (357), DOHRN Stettiner ent. Ztg. **67.**

†*Elcanidae* fam. n. for *Elcana* Giebel, HANDLIRSCH (412) Fossil. Ins.

†*Elcana magna, arcuata simplex, basalis*, (413), *media*, Mecklenburg, *britannica, brodiei*, England, *flexuosa* (414), *saltans, trifurcata, geinitziana, littoralis, obliqua*, (415), *rudis, orchestes*, (416), *spiloptera, plicata, rotundata, fusca*, (417), *tenuis, saliens, halophila*,

latior, gracilis, (418), *germanica, parvula, minima, dobbertiniana,* (419), *gracillima, triquetra, pullula,* (420), Lias Germany, HANDLIRSCH Fossil. Ins., **spp. n.** — *E. phyllophora, deichmulleri,* (516), *longicornis, oppenheimi, bavarica,* (517), Jurass. Bavaria, *westwoodi* Purbeck England (518), HANDLIRSCH T.c.

Elimaea synonymy; *E. brunneri* nom. n. für *E. parumpunctata* Brunn. (348), *E. signata* var. n. *adspersa* (348), *E. maculosa* Kr. to *Ducetia* (352), DOHRN Stettiner ent. Ztg. **67.**

Enochletica affinis Camerum (333), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. **1, sp. n.**

Ephippigera vitium, GEISENHEYNER Zool. Beob. Frankfurt a. M. **47** (48-49). — *E. ephippigera* var. n. *moguntiaca,* SCHUSTER Wiesbaden Jahrb. Ver. Natk. **59** (153-156).

Habetia **gen n.** for *Agroecia spada* Br., KIRBY (260) Cat. Orthopt. **2.**

Hemielimaea tonkinensis **sp. n.** TONKIN, DOHRN (350) Stettiner ent. Ztg. **67.**

Hemiclonia **gen. n.** type *melanoptera* L., KIRBY (226) Cat. Orthopt. **2.**

Hexacentrus alluaudi Assinie, BOLÍVAR (376) Madrid Mem. Soc. esp. Hist. nat. **1, sp. n.**

Himerta feana Congo, GRIFFINI (380) Genova Ann. Mus. **42, sp. n.**

Homatoicha fuscopunctata **sp. n.** Paraguay, CAUDELL Washington U. S. Nation. Mus. Proc. **30** (236).

Gabonia **gen. n.** *Phaneropteridae* (327), *cothurnata* **sp. n.** Cameroons (328), BOLÍVAR Mem. Soc. Hist. Nat. **1.**

Goëtia dimidiata Fernando Po, BOLÍVAR (335) T.c., **sp. n.**

†*Gomphocerites heeriana* Schweiz Lias, HANDLIRSCH (423) Fossil. Ins., **sp. n.**

Gryllacris wolffti **sp. n.** Tonkin, KRAUSSE-HELDRUNGEN Insektenbörse **23** (32).

Ischnomela pulchripennis **sp. n.** Costa Rica, REHN (599) Washington U. S. Nation. Mus. Proc. **30.**

Lanista crassicollis, affinis, (368), W. Africa, *varelai* Usambara (369), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. **1, spp. n.**

Lea **gen. n.** type *Cyrtophyllus floridensis* Beutenm., CAUDELL (42) New York J. Ent. Soc. **14.**

Leurophyllum **gen. n.** for part of *Platyphyllum,* KIRBY (320) Cat. Orthopt. **2.**

†*Liadolocusta* **gen. n.,** *auscultans* **sp. n.** Lias England, HANDLIRSCH (423) Fossil. Ins.

Lichenochrus deciduus **nom. n.** (= *L. marmoratus* Rehn preoc., REHN (204) Ent. News **17.**—*L. testaceus* Camerum, BOLÍVAR (361) Madrid Mem. Soc. esp. Hist. Nat. **1, sp. n.**

Liocentrum rubripes (356), *hancocki* (357), Camerum, BOLÍVAR T.c., **spp. n.**

Locusta viridissima with two ovipositors, BERLESE (305-314) Redia **3.**—Samenreifung OTTE Zool. Anz. **30** (529-535) and (750-754); Musikinstrument, REUKAUF Kosmos Stuttgart **3** (115-116).

Locustidae; synopsis of W. european, BURR (182 etc.) Ent. Rec. 1906.

†*Locustopsis* **gen. n.** *Locustopsidae* fam. n., *elegans, dobbertinensis,* (421), *elongata* (422), **spp. n.,** Lias Mecklenburg, HANDLIRSCH Fossil Ins.

Macroscirtus kanguroo var. n. *joannis,* BOLÍVAR (366) Madrid Mem. Soc. esp. Hist. nat. **1.**

Meroncidius atrispinosus **sp. n.** Trinidad, BRUNER (159) New York J. Ent. Soc. **14.**

Mimetica crenulata **sp. n.** Costa Rica, REHN (601) Washington U. S. Nation. Mus. Proc. **30.**

Molpa Walk. = (*Pyrgophylax* Br.); *M. latipennis* **sp. n.** Sumatra, DOHRN (358) Stettiner ent. Ztg. **67.**

Moncheca Walk. = (*Exocephala* Serv.) BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6.**

Mormotus scapularis, pictipes, fulvus, (362), *adapantoides* (363), W. Africa, BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. **1, spp. n.**

Orchamus **nom. n.** pro *Orchesticus* Sauss. 1859, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. **6.**

Orophus Sauss. 1861 = (*Anepsia* Br.), BOLÍVAR (391) T.c.

Orpacophora **gen. n.** for part of *Acanthodis,* KIRBY (313) Cat. Orthopt. **2.**

Oxypita **nom. n.** pro *Oxyprora* Br. 1878, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. **6.**

Paracyrtophyllus **gen. n.** (34), *robustus* **sp. n.** Texas (36) pl. i f. 1, CAUDELL New York J. Ent. Soc. **14.**

†*Pareleana* **gen. n.** *Eleanidae* (420), *tenuis* **sp. n.** Lias Mecklenburg (421), HANDLIRSCH Fossil. Ins.

Parga Walk. = (*Amyeus* Stål), BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6.**

Parysatia **nom. n.** pro *Parysatis* Stål 1874, BOLÍVAR (392) T.c.

Pelerinus **nom. n.** for *Allodapa* Br. 1878, BOLÍVAR (390) T.c.

Perteus **gen. n.** *Pseudophyllides* (351), *pellucidus* **sp. n.** Camerum (352), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. **1.**

†*Phaneropterites* **gen. n.** *Locustopsidae* for *Phaneroptera germari* Germ., HANDLIRSCH (519) Fossil. Ins.

Phanischnoptera **nom. n.** for *Ischnoptera* Br., KIRBY (444) Cat. Orthopt. **2.**

Phylloptera alliedea, *fosteri*, **spp. n.**, Paraguay, CAUDELL Washington U. S. Nation. Mus. Proc. **30** (238).

Plagioptera bicordata, protective resemblance, POULTON (533) pl. xxxii f. 2 London Trans. ent. Soc. 1906.

Plangiola **gen. n.** *Phaneropterides* (336), *herbacea* **sp. n.** Camerum (337), BOLÍVAR Madrid Mem. Soc. esp. Hist. Nat. **1.**

Platyphyllum (?) *modestum* **sp. n.** Trinidad, BRUNER (159) New York J. Ent. Soc. **14.**

Pleminia marmorata Camerum, BOLÍVAR (360) Madrid Mem. Soc. esp. Hist. nat. **1, sp. n.**

Polyglochin lichenochroides Camerum, BOLÍVAR (359) T.c., **sp. n.**

Porcuomena gladiator Camerum, BOLÍVAR (338) T.c., **sp. n.**

†*Pseudogryllacris* **gen. n.** for *Gryllacris propinqua* Deichm., HANDLIRSCH (521) Fossil. Ins.

†*Pseudohumbertiella* **gen. n.** for *Humbertiella grandis* Br., HANDLIRSCH T.c. (522).

Puerula **nom. n.** pro *Cora* Br. 1878, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6.**

†*Pycnophlebia minor* Kalk Bavaria, HANDLIRSCH (520) Fossil Ins., **sp. n.**

Pyrrhicia conradti Camerum, BOLÍVAR (329) Madrid Mem. Soc. esp. Hist. Nat. **1, sp. n.**

Roxelana **nom. n.** for *Parysatis* Stål, KIRBY (352) Cat. Orthopt. **2.**

Saga serrata, BÉRENGUIER Nimes Bul. Soc. **33** (145–154) av. fig.

Semiophygas binotatus Fernando Po, GRIFFINI (373) Genova Ann. Mus. **42, sp. n.**

Spizaphilus **nom. n.** for *Butleria* Brunn., KIRBY (121) Cat. Orthopt. **2.**

Stibaroptera **nom. n.** pro *Stibara* Br. 1878, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. Nat. **6.**

Phyllophorae; stridulation, CARL Arch. Sci. phys. Genève **22** (406, 407).

Tapiena **nom. n.** for *Tapeina* Br., *minor* **sp. n.** Ashanti, BOLÍVAR (334) Madrid Mem. Soc. esp. Hist. nat. **1.**

Tellidia Brunner, merged in *Tetraconcha*, BOLÍVAR (231–235) T.c.

Tetraconcha, synonymy, females described, BOLÍVAR (231–235) Madrid Bol. Soc. espan. Hist. Nat. **6.**

Teuthras carminator Camerum, BOLÍVAR (375) Madrid Mem. Soc. esp. Hist. nat. **1, sp. n.**

Tomias obliteratus Biafra, BOLÍVAR (357) T.c., **sp. n.**

Turpilia subinermis **sp. n.** Paraguay, CAUDELL Washington U. S. Nation. Mus. Proc. **30** (239).—*T. grandis* **sp. n.** Costa Rica, REHN (597) Washington U. S. Nation. Mus. Proc. **30.**

Typhoptera **nom. n.** for *Capnoptera* Br., KIRBY (309) Cat. Orthopt. **2.**

Udenus W. nigrum, BRUNNER (9) pl. ii f. 9 Résult Belgica, Zool.

Vossia doriae Fernando Po, GRIFFINI (395) Genova Ann. Mus. **42, sp. n.**

Xiphelimum **gen. n.**, *amplipenis* **sp. n.** Paraguay, CAUDELL Washington U. S. Nation Mus. Proc. **30** (241).

Xiphidiola **gen. n.** *Meconemidae* (364), *nigrospinosa*, *concolor*, **spp. n.**, Fernando Po, (365), BOLÍVAR Madrid Mem. Soc. esp. Hist. Nat. **1.**

Xiphidiopsis mitratus (373), *bubianus*, *lineatus*, (374), Fernando Po, BOLÍVAR T.c., **spp. n.**

Xiphidium strictoides **sp. n.** Paraguay, CAUDELL Washington U. S. Nation. Mus. Proc. **30** (242).

†*Zalmonites* **gen. n.**, *geinitzi* **sp. n.**, Lias Mecklenburg, HANDLIRSCH (422) Fossil. Ins.

The entries below have appeared previously in the Zoological Record.

(*Anabropsis marmorata, costaricensis*, REHN, Philadelphia Pa. Proc. Acad. Nat. Sci. **57** spp. n.)

(*Anaulacomera digitata* REHN, T.c. sp. n.)

(*Cocconotus ravus* REHN, T.c. sp. n.).

(*Conocephalus diversus* REHN, T.c. sp. n.)

(*Lichenochrus marmoratus* REHN, T.c. sp. n.)

(*Turpilia linearis* REHN, T.c. sp. n.)

ACRIDIIDAE.

Orthoptera of Western Europe, synopsis continued, BURR Ent. Rec. London 1906 (9–11 etc. etc.).

Acanthoxia **nom. n.** pro *Gonyacantha* Stål 1873, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. **6.**

Acridium succinctum, natural history, MAXWELL LEFROY, Mem. dep. Agric. Ind. entom. ser. **1.**

Ageneotettix arenosus **sp. n.** Illinois, HANCOCK (253). Ent. News **17.**

Alcamenes cristatus **sp. n.** Paraguay, BRUNER (650) Washington U. S. Nation. Mus. Proc. **30.**

Aleuas brachypterus **sp. n.** Paraguay, BRUNER (667) T.c. **30.**

Allotettix chipmani **sp. n.** Trinidad, BRUNER (146) New York J. Ent. Soc. **14.**

Amblyscapheus **gen. n.** (632) near *Staurorhectus*, *lineatus* **sp. n.** Paraguay (633), BRUNER Washington U. S. Nation. Mus. Proc. **30.**

Amblytropedia robusta **sp. n.** Paraguay, BRUNER (631) T.c.—*A. chapadensis* **sp. n.** Brazil, REHN Washington U. S. Nation. Mus. Proc. **30** (371).

Anconia grisea, California, *caeruleipennis* Nevada, BRUNER (186) Biol. Centr.-Amer. Orthopt. **2, spp. n.**

Amphibotettix **gen. n.** (86), *longipes* **sp. n.** Borneo (87), HANCOCK Ent. News **17.**

Apotettix bruneri (Hancock) **sp. n.** Paraguay, BRUNER (614) Washington U. S. Nation. Mus. Proc. **30.**

Apotropis **nom. n.** pro *Tritropis* Br. 1893, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. Nat. **6.**

Arnilia minor **sp. n.** Guatemala, BRUNER (9–13) Ohio Nat. **7.**—*A. coccineipes* **sp. n.** Paraguay, BRUNER (659) Washington U. S. Nation. Mus. Proc. **30.**

Aularches miliaris, natural history, GREEN Circ. Bot. Gard. Ceylon **3** (227–236).

Batrachidea notata (Hancock) **sp. n.** Paraguay, BRUNER (616) Washington U. S. Nation. Mus. Proc. **30.**

Borellia **gen. n.** near *Staurohectus*, *carinata* **sp. n.** Brazil, REHN Washington U. S. Nation. Mus. Proc. **30** (379).

Brachystola ponderosa, intermedia, (194), *mexicana* pl. ii f. 4 (195), *eiseni* f. 5 (196), **spp. n.**, Central America; *B. behrensi* pl. ii f. 6; BRUNER Biol. Centr. Amer. Orthopt. **2.**

Bryodema tuberculatum, Lebensweise, ADELUNG [SKALOZUBOV] Tobolřsk Ježeg. mus. **15** (1–18).

Bucephalacris paraguayensis **sp. n.** Paraguay, BRUNER (665) Washington U. S. Nation. Proc. **30.**

Calamacris californica Lower California, pl. iv figs. 24 and 25, *mexicana* Mexico f. 26 (201), *palmeri* Lower California, *oculata* Arizona, (202); BRUNER Biol. Centr.-Amer. Orthopt. **2.**

Cannula **nom. n.** pro *Calanus* Sauss. 1886, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. Nat. **6.**

Celes skalozubovi **sp. n.** Tobolsk, ADELUNG Tobolřsk Ježeg. mus. **15** (1–18).

Cephalocoema burmeisteri Paraguay, BRUNER (619) Washington U. S. Nation. Mus. Proc. **30, sp. n.** ?

Chlorus vittatus **sp. n.** Paraguay, BRUNER (690) Washington U. S. Nation. Mus. Proc. **30.**

Chrysochraon brachypterus Varabilität, WERNER Wien JahrBer. Entom. Ver. **16** (25–31).

Circotettix rabula **sp. n.** Yellowstone Park, REHN and HEBARD (393) Philadelphia Proc. Acad. **58.**

Cocytotettix **nom. n.** for *Fenestra* Br. nec Gigl. T., REHN (30) Philadelphia Proc. Acad. Nat. Sci. **58.**—*C. linearis* **sp. n.** Brazil, REHN Washington U. S. Nation. Mus. Proc. **30** (374).

Cornops scudderi **sp. n.** Guatemala, BRUNER (9–13) Ohio Nat. **7.**

Cratilopus **nom. n.** pro *Cratippus* Stål 1875, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6.**

Cylindrotettix **gen. n.** near *Leptysma*, *insularis* **sp. n.** Trinidad, BRUNER (153) New York J. Ent. Soc. **14.**

Demochares **nom. n.** pro *Demonax* Stål 1878, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6.**

Derocorys fumeipennis **sp. n.** Turgai-Gebiet, ADELUNG Mat. faun. flor. Ross. Zool. **7** (82–92).

Dichroplus robustus (679), *paraguayensis* (680), *dubius*, *brasiliensis*, (682), *cinctipes* (683), **spp. n.**, Paraguay, BRUNER Washington U. S. Nation. Mus. Proc. **30.**

Diedronotus **nom. n.** pro *Tropinotus* Serv. 1831, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. nat. **6.**

Diponthus paraguayensis **sp. n.** Paraguay, BRUNER (657) Washington U. S. Nation. Mus. Proc. **30.**

Dolatettix **gen. n.** *Tetriginae*, *spinifrons* **sp. n.** New Guinea, HANCOCK (13) pl. i. f. 2 Genera Insectorum **48.**

Duronia kalmyka **sp. n.** Turgai-Gebiet, ADELUNG Mat. faun. flor. Ross. Zool. **7** (82–92).

Eomorphopus **gen. n.** (37), for *Amorphopus antennatus* Bol., and *granulatus* **sp. n.** Dutch Guiana (38), HANCOCK Gen. Ins. fasc. **48.**

Eotettix hebardi **sp. n.** Georgia, REHN (235) Ent. News **17** (234–237).

Epacromia tergestina var. n. *viridis*, MABILLE (40) Paris Ann. Soc. ent. **75.**

Eugavialidium **gen. n.** for part of *Gavialidium dentiumeris* **sp. n.** Borneo, HANCOCK (24) Gen. Ins. fasc. **48.**

Eurotettix **gen. n.** (691) near *Chlorus*, *femoratus*, *minor*, **spp. n.**, Paraguay, (692), BRUNER Washington U. S. Nation. Mus. Proc. **30.**

Eurymorphopus **gen. n.** for *Amorphopus cunctatus* Bol., HANCOCK (35) Gen. Ins. fasc. **48.**

Entryxalis gracilis Gigl.-Tos (as *Hyalopteryx*) = (*minor* Br.), REHN (15) Philadelphia Pa. Proc. Acad. **58.**

Fenestra; validity (cf. *Cocytotettix*), REHN (32) Philadelphia, Pa. Proc. Acad. **58.**

Gigliotosia **nom. n.** pro *Scopas* Tos 1894, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. Nat. **6.**

Gladiotettix **nom. n.** for *Nephele* Bol., HANCOCK (40) Gen. Ins. fasc. **48.**

Gomphocerus rufus, Variabilität, WERNER Wien JahrBer. Entom. Ver. **16** (25–31).

Hippiscus immaculatus **sp. n.** Texas, MORSE (119) Psyche **13.**

Hyalopteryx interrupta (Brunner?) = *lamellipes* **sp. n.**, *specularis* **sp. n.** Paraguay, BRUNER (623) Washington U. S. Nation. Mus. Proc. **30.**—*H. asinus* **sp. n.** Brazil, REHN (12) Philadelphia Proc. Acad. **58.**

Hysiella **nom. n.** pro *Hysia* Stål 1876, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. **6.**

Ichthyidion mexicanum Sauss. BRUNER pl. iv f. 22 (202) Biol. Centr.-Amer. Orthopt. **2.**

Inusia chipmani **sp. n.** Trinidad, BRUNER (154) New York J. Ent. Soc. **14.**—*I. pallida* **sp. n.** Paraguay, BRUNER (660) Washington U. S. Nation. Mus. Proc. **30.**

Isonyx **gen. n.** near *Borellia*, *paraguayensis* **sp. n.** Sapucay, REHN (36) Philadelphia Proc. Acad. **58.**

Leiotettix **gen. n.** (684) near *Dichroplus*, *viridis* (685), *punctipes* (686), *sanguineus*, *flavipes*, (687), **spp. n.**, Paraguay, BRUNER Washington U. S. Nation. Mus. Proc. **30.**

Leptysma minima **sp. n.** Trinidad, BRUNER (152) New York J. Ent. Soc. **14.**—*L. argentina*, *gracilis*, **spp. n.**, BRUNER (658) Washington U. S. Nation. Mus. Proc. **30.**

Liotettix **nom. n.** pro *Prototettix* Bol. 1887, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. nat. **6.**

Melanoplus scudderi var. n. *texensis*, HART (158) Ent. News **17.**—*M. latens*

(120), *tepidus*, *tribuloides*, *tuberculatus*, (121), N. America, **spp. n.**; *M. scudderi latus* var. n. (122); Morse Psyche **13.**

Meloscirtus **gen. n.** near *Stenobothrus* (634), *australis* **sp. n.** Paraguay (635), Bruner Washington U. S. Nation. Mus. Proc. **30.**

Mesochlora unicolor **sp. n.** Texas, Hart (157) Ent. News **17.**

Mesopsis **nom. n.** pro *Mesops* Serv. 1839 [?], Bolívar (392) Madrid Bol. Soc. esp. Hist. nat. **6.**

Miriatra **nom. n.** pro *Mitraria* Bol. 1887, Bolívar (392) T.c.

Muciera **nom. n.** pro *Mucceria* Stal. 1878, Bolívar (392) T.c.

Munatia australis **sp. n.** Paraguay, Bruner (644) Washington U. S. Nation. Mus. Proc. **30.**

Nomotettix cristatus denticulatus var. n., Morse (119) Psyche **13.**

Omalotettix **gen. n.** (672) near *Jodaeris*, *signatipes* **sp. n.** Paraguay (673), Bruner Washington U. S. Nation. Mus. Proc. **30.**

Orphula guatemalae **sp. n.** Guatemala, Bruner (9–13) Ohio Nat. **7.**

Orphulella obscura **sp. n.** Paraguay, Bruner (627) Washington U. S. Nation. Mus. Proc. **30.**—*Orphullela chipmani* (149), *insularis* (150), Trinidad, Bruner New York J. Ent. Soc. **14, spp. n.**—*Orphulella walkeri* **sp. n.** Guatemala, Bruner (9–13) Ohio Nat. **7.**

Orphulina veteratoria (21), *acuta* (23), Brazil, Rehn Philadelphia Proc. Acad. **58, spp. n.**

Orthoscapheus **gen. n.** (671) near *Jodaeris*, *roseipennis* **sp. n.** Paraguay (672), Bruner Washington U. S. Nation. Mus. Proc. **30.**

Otumba marcapata Peru, *dentata* Costa Rica, Hancock (44) Gen. Ins. fasc. **48, spp. n.**

Paracornops paraguayense, *aquaticum*, (663), *politum* (664), **spp. n.**, Paraguay, Bruner Washington U. S. Nation. Mus. Proc. **30.**

Paraleuas fosteri (669), *punctipennis* (670), Paraguay, *minor* Brazil (669), **spp. n.**, Bruner T.c.

Parascopas **nom. n.** for *Scopas* Giglio-Tos, preöc., Bruner (689) T.c.

Paurotarsus rugosus **sp. n.** Trinidad, Bruner (148) New York J. Ent. Soc. **14.**

Phalaea **nom. n.** pro *Phemonoë* Stål 1878, Bolívar (392) Madrid Bol. Soc. esp. Hist. nat. **6.**

Phelene **nom. n.** pro *Nephele* Bol. 1887, Bolívar (392) T.c.

Phrynotettix; species tabulated (197), *P. tschiravensis* Hald. pl. ii f. 1 (198), *robustus* figs. 2 and 3 (199); Bruner Biol. Centr.-Amer. Orthopt. **2.**

Platybothrus alticola **sp. n.** Utah, Rehn (284) Ent. News **17.**

Platytettix **gen. n.**, *reticulatus* **sp. n.** Peru, Hancock (80) Ent. News **17.**

Plesiotettix **gen. n.** *Metrodorae*, *uncinatus*, *spinosus*, **spp. n.**, Peru, Hancock (34) Gen. Ins. fasc. **48.**

Podisma oreas **sp. n.** Yellowstone Park, Rehn and Herard (402) Philadelphia Proc. Acad. **58.**—*P. scudderi* **sp. n.** Alabama, Morse (120) Psyche **13.**

Podisma pedestris, Lebensweise, Adelung [Skalozubov] Tobolisk Ježeg. mus. **15** (1–18).

Praxibulus **nom. n.** pro *Praxilla* Stål 1878, Bolívar (393) Bol. Soc. esp. Hist. nat. **6.**

Prostalia **nom. n.** pro *Pompholyx* Stål 1873, Bolívar (393) T.c.

Pseudomitraria **gen. n.** for *pontificalis* Rehn, Hancock (50) Gen. Ins. fasc. **48.**

Pycnogaster cucullatus Charp., Bolívar (390) Madrid Bol. Soc. esp. Hist. nat. **6.**

Pycnosarcus **nom. n.** pro *Polysarcus* Sauss. 1859, Bolívar (392) T.c.

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CORRIGENDA.

XII. Insecta p. 262 col. 1 line 18, for *Obereo* read *Oberea*.

" " p. 271 col. 2 line 18, for *Glaphynopterula* read *Glaphyropterula*.

XVII. Aves p. 85 col. 2 line 8, for *Chysoytilus* read *Chrysoptilus*.

" " p. 85 col. 2 line 10, for *Deudrocopus* read *Dendrocopus*.

" " p. 97 col. 2 line 9 from bottom, for *Cinuyris* read *Cinnyris*.

XVIII. Mam. p. 75 col. 2 line 10 from bottom, for **sp. n.** read **subsp. n.**

XV. Pisces p. 43 col. 1 line 24, for **19**, ( ). read **19**, (81).